CASIO®

Your Best Answer Reliable & Durable

General Catalogue 2010-2011

ELECTRONIC CALCULATORS

Office & School





http://world.casio.com/



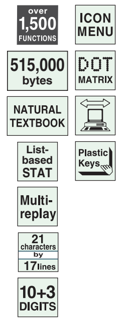
SCIENTIFIC CALCULATORS

GRAPHIC MODELS WITH CAS CAPABILITY





* Comes with snap-on hard case

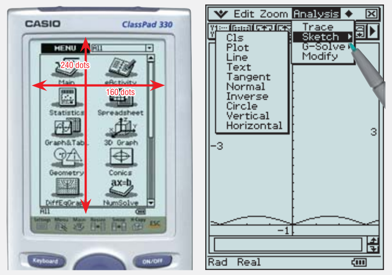


ClassPad 330

User-friendly Interface

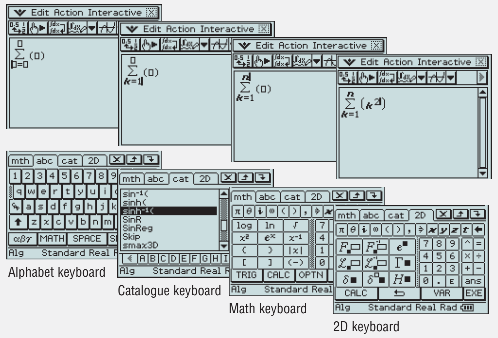
Pen Touch Operation

Intuitive stylus operation for entry of values and expressions, selection of menu commands, drag-and-drop copying of values and expressions, and much more. A big 160 × 240-dot LCD simplifies operation and shows more data per screen.



Natural Textbook Input and Output

Fractions, powers, and square roots, as well as high-level mathematical expressions such as log, Σ, ∫, d/dx, lim, matrices, F (Fourier transforms), and L (Laplace transforms) can be entered and displayed just as they appear in your textbook. An on-screen soft keyboard helps to simplify entry of complex expressions.



ClassPad 330 Built-in Applications

Advanced CAS (Computer Algebra System)

Base-n capabilities have been added for general-purpose numerical and mathematical calculations. Natural input/output mathematical functions have been expanded to include F (Fourier transforms), L (Laplace transforms), δ, Γ, H, and more.

Differential Equation Application

The solution set of a differential equation can be represented graphically as a vector field, and solution curves can be drawn by providing initial conditions for the equation. First, second, and n-th order differential equations are supported.

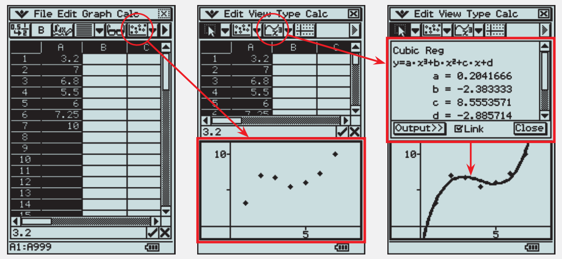
Financial Application

This ClassPad 330 application provides you with a total of 15 different financial calculations, including simple/compound interest, cash flow, amortization, depreciation, bond calculation, operating/financial leverage, and more.

Spreadsheet Application

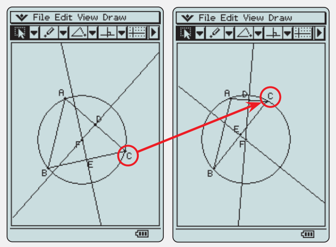
Improved Spreadsheet Application

Collected data can be organized and tabulated for analysis after statistical graphing is complete. Spreadsheet data also can be used in table calculations. In addition, ClassPad 330 adds the following functions: search, sort, data import from and export to lists, matrices, and variables, CellIf, and Histogram/Box-whisker graphing.



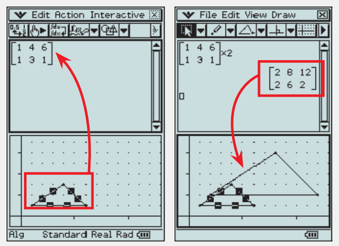
Geometry Application

Geometric Graphing



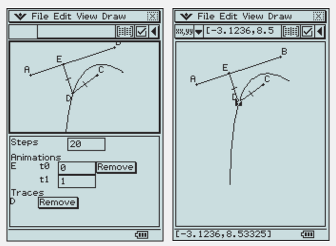
Students can learn the general theorems by drawing figures, and can confirm that a theorem still holds true even when the form of the triangle is altered.

Geometric Graphing Using Drag & Drop



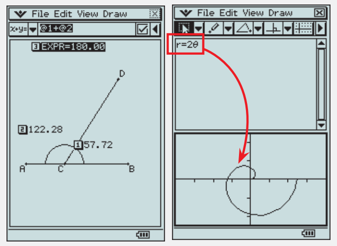
Dropping a geometric figure into the Main application window will produce the numerical data for the figure. Conversely, dropping numerical data into the Geometry window will produce the applicable figure.

Animation



An Animation function provides the means to move geometric figures drawn on the screen. You can even plot the locus for a particular point of the animation. The screenshot shows an example where Point D is plotted as the locus for Point E moving on Line AB.

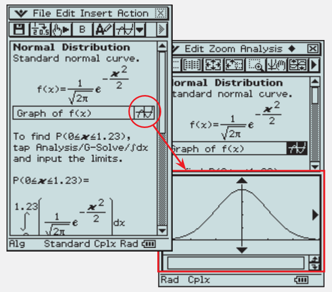
Enhanced Geometric Functions



ClassPad 330 supports drawing of conics using a focus, as well as graphing of polar equations and parametric equations. Enhanced labeling capabilities let you display attached angles, measurement-based calculation results, and more.

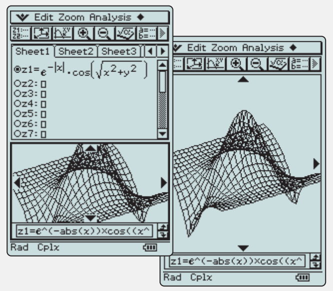
eActivity Application

An eActivity is like a digital worksheet that can be created and worked with on the ClassPad 330. All of the powerful features and capabilities of the ClassPad 330 can be incorporated into an eActivity. In addition to being able to perform the same calculations as the Main application, an eActivity will accept text entry, just like a word processor. Graphs, as well as Geometry and Spreadsheet data also can be stored in an eActivity file.



3D Graph Application

The 3D Graph Application lets you draw rectangular coordinate graphs ($z = f(x, y)$) and parametric function graphs ($xst = f(s, t)$, $yst = f(s, t)$, $zst = f(s, t)$). You can split the display screen between a 3D Graph Editor window and 3D Graph window, or enlarge the 3D Graph window to view a larger graph.



ClassPad 330 Specifications

ALGEBRA

- CAS (Computer Algebra System)
- Algebra Assistant
- Fractions • Transformation (simplify, expand, factor)
- Algebraic ($\sqrt{\ }$, x^2, x^{-1}, $x!$, $\sqrt[n]{\ }$, x^n)
- Simultaneous equations
- Real and Complex results • List • Matrix
- Combination nCr, Permutation nPr
- Exponents (log, ln, 10^x, e^x)
- Trigonometrics (sin, cos, tan, $\sin^{-1}$, $\cos^{-1}$, $\tan^{-1}$)
- Angle unit (Degree, Radian, Grad)
- Function graphing, polar, parametric and $x = f(y)$ equations
- Numeric evaluation of functions in tables
- Graph solve (root, max, intersection, inflection, distance)
- Conics graphs (Parabola, Circle, Ellipse, Hyperbola, General figure)
- Conics graph solve (Focus, Vertex, Directrix, Symmetry, Center, Radius)
- Recursive and explicit sequence numerical tables and plots
- Number Base (base 2 (Bin), 8 (Oct), 10 (Dec) and 16 (Hex))
- Laplace transform, Fourier transform, Fast Fourier transform (FFT)

CALCULUS

- Hyperbolics (sinh, cosh, tanh, $\sinh^{-1}$, $\cosh^{-1}$, $\tanh^{-1}$)
- Integration, Differential
- Differential equation
- Σ, Π, lim • Dirac Delta, Heaviside Unit Step, Gamma

STATISTICS

- List-based one- and two-variable statistical analysis
- Statistical regression calculations
- Statistical plot (Scatter Plot, xyLine, Normal Probability Plot, Histogram, Box-whisker plot)
- Statistical regression graphs
- Advanced statistical calculations (Tests, Confidence Intervals and Distribution calculations)

GEOMETRY

- Constraint geometry (for education)
- Construction figures (Perpendicular, Midpoint, Intersection, Angle Bisector, Parallel, Tangent to Curve)
- Geometry figures (Circle, Arc, Ellipse, Hyperbola, Parabola, Triangle, Rectangle, n-gon, Point, Line Segment, Ray, Vector)
- Geometry animation
- Numeric evaluation of geometry animation in tables
- Labels (Text, Attached Angle, Measurement, Expression)

eACTIVITY APPLICATION

- eActivity creation • eActivity exploration (execution)
- Geometry-Link in eActivity

OTHER USEFUL FEATURES

- Drag & drop • Natural format input of equations and expressions
- Natural format display of results • Math, Alphabet, 2D soft keyboards
- Command catalogue soft keyboard • Calculation History
- Mantissa + exponent: 15 + 3 • Interactive manipulation for solving equations
- 3-dimensional graphs • Differential equation graphs
- Numeric equation solver • Financial calculations • Presentation feature
- Program storage capacity: 500 KB (max) • Icon menus
- Full screen display/Split screen display
- Software upgradeability (maintenance, feature upgrades)
- User-defined variable • User-defined function (extends built-in functions)
- Folder-based memory management • Unit-to-unit screen image transfer
- Resetting/Initializing memory • Selectable display language
- Auto Power Off (APO) • Ending Screen/User-defined Ending Screen
- Bundled program-link software FA-CP1: This data transfer software runs on a Windows computer. You can use it to transfer ClassPad unit files and to back up all ClassPad unit data on your computer. You can also transfer ClassPad unit screen captures to your computer.

HARDWARE

- Dimensions: 21.0(H) × 84.0(W) × 189.5(D) mm
- Approximate weight: 280g
- Battery type: Four AAA-size batteries LR03 (AM4)
- Battery life: Approx. 140 hours continuous operation (assuming 5 minutes calculation and 55 minutes display per hour)
- Display type: 160 × 240-dot LCD
- Touch Panel (Pen Touch Operation) • User-available RAM: 500 KB
- User-available Flash ROM (Add-in area): 5.3 MB
- Data communication (via USB and 3-pin cables)
- USB cable for connecting with PC
- 3-pin cable for connecting with other ClassPad unit or EA-200

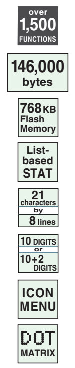
OPTIONS

- ClassPad Manager Version 3.0 FA-CP330A/B • EA-200 Data Analyzer
- OH-ClassPad 330 SET (Overhead projection model)

Latest OS update for ClassPad 300 series:
http://edu.casio.com/dl/



ALGEBRA FX 2.0 PLUS



- Large display (128 × 64 dots)
- Algebra Applications (Computer Algebra System, Algebra, Tutor) • Graphic functions and Graph solve functions • Dynamic graph
- Dual graph (Graph and Table, Graph and Graph)
- Conic section graph • Complex functions
- List function and list-based statistics
- Statistic calculations and graphs
- Graph solve • Integrations
- Differential and quadratic differential calculations
- BASIC-like program functions
- Linear equations from 2 to 30 unknowns
- 2 to 30 order equations
- Matrix operations with complex numbers
- Base-n calculations/conversions
- Add-in application with Flash Memory
- Includes a connecting cable for data transfer between two units
- Data communication (requires optional FA-124USB for connecting with PC)



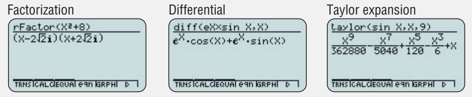
*Comes with slide-on hard case

Main Functions

Algebra Applications

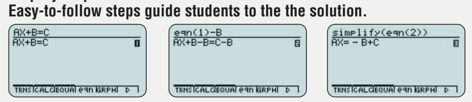
Computer Algebra System (CAS)

Using the Computer Algebra System (CAS), students can factor expressions, find limits of functions and calculate derivatives, integration and Taylor series expressions.
The CAS is a CASIO original algebra system that was devised through the cooperation of CASIO engineers, Profession John Kenelly, and other math instructors. It directly incorporates advice and suggestions from math teachers.



Algebra

Easy equation manipulation by students
The Algebra application makes it possible for students to expand and simplify equations on their own as they derive solutions. After learning to solve problems using the Tutor application (see below), students can use the Algebra application to master the steps of solving algebra problems.
Step-by-step View
Easy-to-follow steps guide students to the the solution.



Tutor

Like having your own personal tutor always on hand to guide you along the way!
The TUTOR application guides student to the final solution, much like a teacher does in the classroom. The TUTOR application has three modes.
• Auto • Manual • Verify

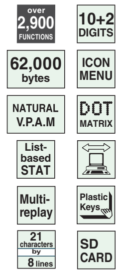
Graphic Models

With Natural-V.P.A.M. and backlit display.
The next-generation graphic scientific calculator.



fx-9860GII SD
• SD memory card not included

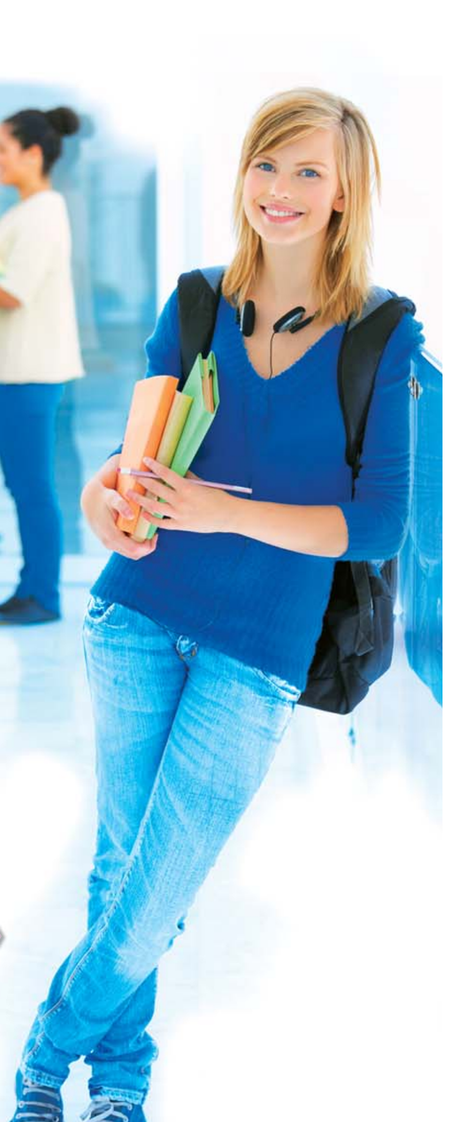
fx-9860GII

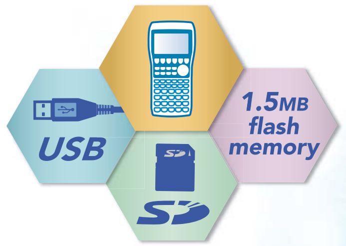


*SD model only.



* Comes with slide-on hard case.





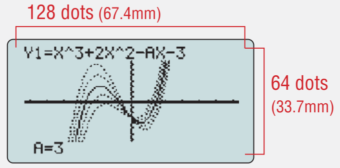
User-friendly Interface

- Rectangular coordinate graphing, Polar coordinate graphing • Integration graph
- Parametric function graphing, Inequality graphing • Trace, Zoom (box zoom, zoom in, zoom out, auto zoom) • Table and Graph • Dual Graph (table and graph, graph and graph) • Sketch (tangent line, normal line, inverse function) • Solve (root, minimum, maximum, intersection, integration) • Dynamic graph • Conic section graph
- Recursion graph • List-based one-variable and two-variable statistical analysis
- Statistical regression calculations • Statistical plot (scatter plot, xyLine, normal probability plot, histogram, box plot) • Statistical regression graphs (linear, med-med, quadratic, cubic, quartic, logarithmic, exponential, power, sinusoidal, logistic regression) • Advanced statistical calculations: tests (Z-test, t-test, Chi square test, F-test, ANOVA), intervals (Z-interval, t-interval), distributions • Pie chart • Bar graph
- Power functions (square root, cubic root, square, power, radical root) • GCD/LCM • Coordinate conversion (Pol, Rec)
- Combination/Permutation (nCr, nPr) • Factorial, Inverse, random numbers, Fractions • Logical operations • Matrix calculations
- Complex number calculations • Base-n calculations/conversions • List data calculations • Metric Conversion • Natural format equation output • Calculation history • Spreadsheet and statistical plot • Numeric equation solver, simultaneous equations, polynomial equations • Financial calculations • Programming • Icon menu • SD memory card slot (fx-9860GII SD only)
- Data communication • User memory: 62,000 bytes, User Storage memory: 1.5 M bytes

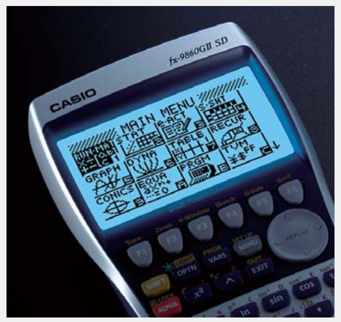
Hardware Features

High-resolution LCD

The large 64 × 128-dot display of the fx-9860GII Series high-resolution LCD produces formulas, graphs and graphics that are sharper, clearer, and easier to read.



fx-9860GII series
Large 64 × 128 dot display.



Backlight on

High-speed CPU

A high-performance, high-speed CPU gives fx-9860GII Series calculators processing speeds that are three to five time faster than other brand calculators in their class. Processes and plots encountered in complex calculations and graphics are handled with ease, for enhanced operational efficiency and learning as well.

Large-capacity 1.5MB Flash Memory

An ample 1.5MB of Flash Memory capacity allows worry-free downloading and storage of data and applications.

Out-of-the-box USB Operations

A USB cable, unit-to-unit cable and Program-Link Software all are included with the calculator, so high-speed data communication with a computer as well as unit-to-unit data and program transfers can be performed virtually out of the box.



SD Memory Card Slot (SD model only)

The fx-9860GII SD is equipped with an SD memory card slot for easy data transfers.

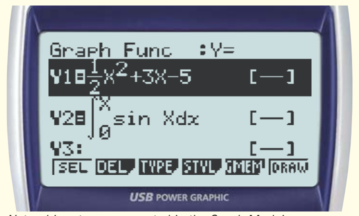


Natural textbook display!

NATURAL-V.P.A.M.

CASIO's original "Natural Expression Input Display" and "Natural Expression Output Display" make it possible to display fractions, exponents, logarithms, powers, and square roots just as they are written in the textbook. The result is enhanced student comprehension and improved math class efficiency.

Natural Input

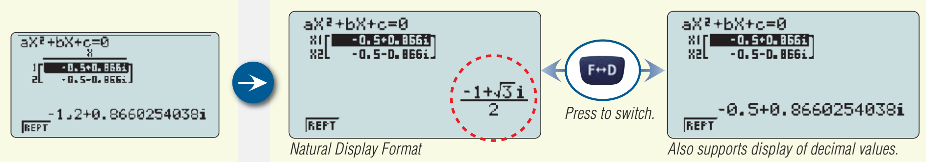


Natural Input now supported in the Graph Mode!

Natural Output

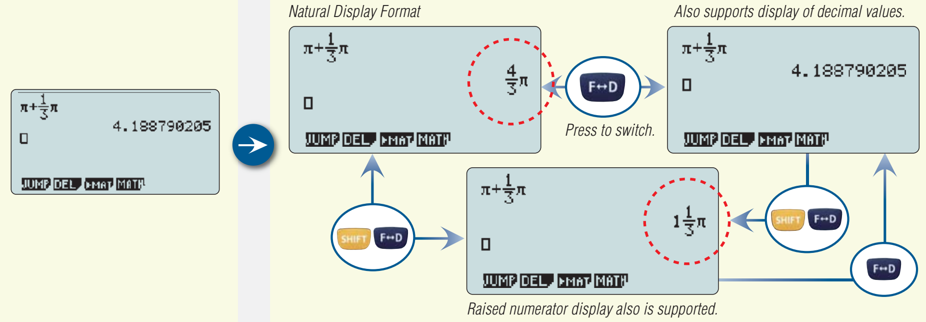
Polynomial equation result

Previous Models | Natural Output Model



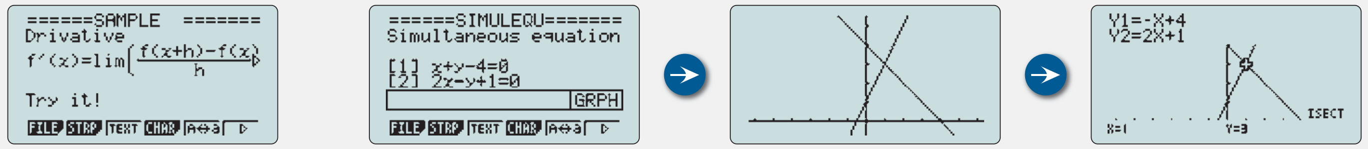
Result of expression with Pi symbol

Previous Models | Natural Output Model



eActivity

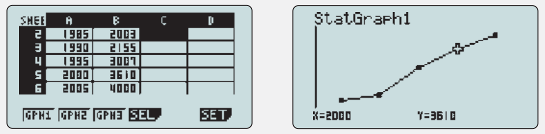
fx-9860GII Series calculators come with the same eActivity capabilities that originally appeared on the ClassPad 330. Now teachers as well as students can create their own problems and study materials. Students get the opportunity to learn at their own pace for more efficient study both at school and at home. eActivity is a great motivator for learning and understanding.



Built-in Software

Spreadsheet

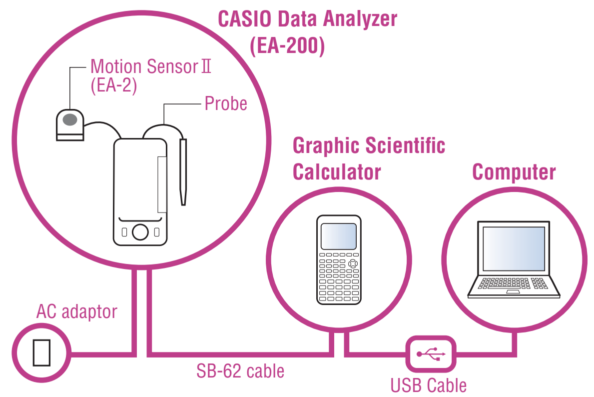
A multi-function spreadsheet with built-in graphing capabilities is a valuable tool for table calculation lesson exercises.



E-CON2

E-CON2 provides total control over the optional EA-200 Data Analyzer. It makes it possible to measure changes in temperature, sound, or speed using the EA-200 without any troublesome settings or program input.

EA-200/E-CON2 System Configuration



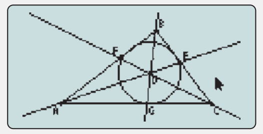
Add-in Software

Pre-installed Software

Pre-installed add-in software comes installed on the calculator when you purchase it. You can use such software as-is, or you can delete it to free up memory.

Geometry

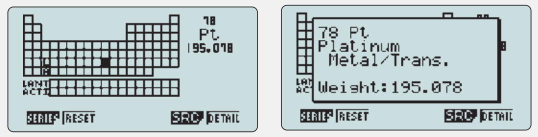
Geometry add-in software is designed to make learning geometry fun.



Downloadable Software

Physium

The Physium add-in provides instant access to the periodic table of elements, whose data can be used in calculations. Often-use elements and atomic symbols can be stored for quick and easy recall whenever you need them.

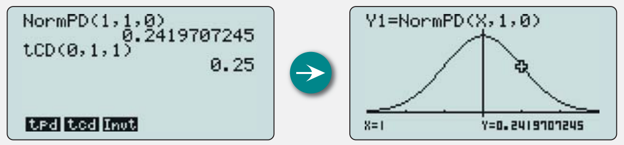


Add-in software can be downloaded from the CASIO website.
http://edu.casio.com/dl/



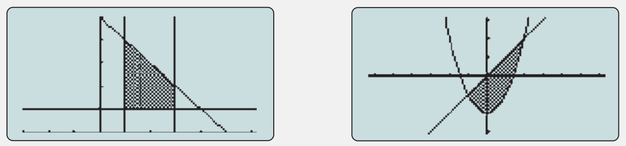
Other Features

Probability

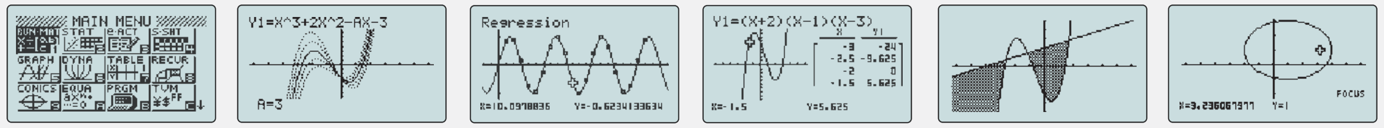


Normal distribution, student's t-distribution, and other often-used statistical calculations are provided in function format for easier practical application.

Inequality Graphing

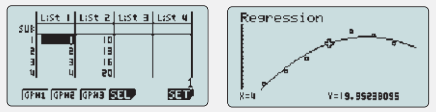


New support for graphing the inequality of an x=Constant graph and $x=f(y)$ graph allows study of the area for which the x-range is defined.



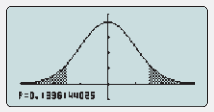
Icon menu | Dynamic graph | Regression graph | Table & Graph | Integration graph | Conic section graph

List-based Statistics



Store a list of values in memory for use when performing function and statistical calculations, when drawing graphs, or when generating tables of numeric values.

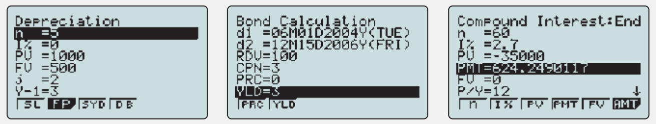
Advanced Statistics



Perform tests, confidence interval, probability distribution, and other calculations and graphing.

1-sample t-test graph

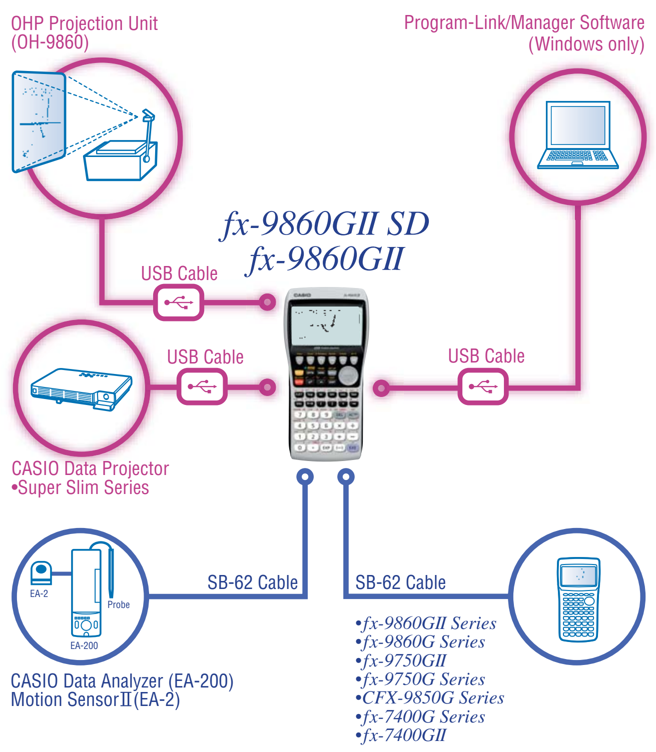
Financial Calculations



Depreciation | Bond calculation | Compound interest

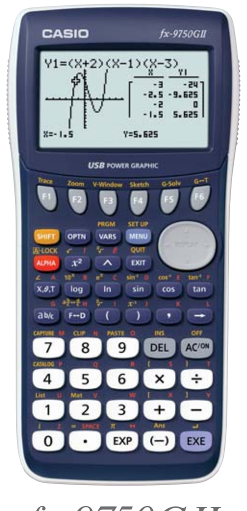
- Depreciation
- Bond calculation
- Simple interest
- Compound interest
- Investment appraisal (cash flow)
- Amortization
- Interest rate conversion (annual percentage rate and effective interest rate)
- Cost, selling price, or margin
- Day or date calculations

Peripherals



New features give you the tools to create outstanding classroom presentations!





over 2,800 FUNCTIONS | 10+2 DIGITS | 62,000 bytes | ICON MENU | List-based STAT | DOT MATRIX | Multi-replay | 21 characters by 8 lines | Plastic Keys

fx-9750GII



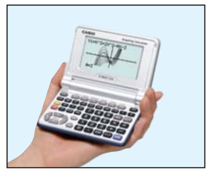
* Comes with slide-on hard case

POWER GRAPHIC

- Dot matrix display (64 × 128 dots) • Probability • Inequality Graphing
- Rectangular coordinate graphing, Polar coordinate graphing
- Integration graph • Parametric function graphing • Trace, Zoom (box zoom, zoom in, zoom out, auto zoom) • Table and Graph • Dual Graph (table and graph, graph and graph) • Sketch (tangent line, normal line, inverse function) • Solve (root, minimum, maximum, intersection, integration) • Dynamic graph • Conic section graph • Recursion graph
- List-based one and two-variable statistical analysis • Statistical regression calculations • Statistical plot (scatter plot, xy Line, normal probability plot, histogram, box plot) • Statistical regression graphs (linear, med-med, quadratic, cubic, quartic, logarithmic, exponential, power, sinusoidal, logistic regression) • Advanced statistical calculations: tests (Z-test, t-test, Chi square test, F-test, ANOVA), intervals (Z-interval, t-interval), distributions • Pie chart • Bar graph • Power functions (square root, cubic root, square, power, radical root) • GCD/LCM • Coordinate conversion (Pol, Rec) • Combination/Permutation (nCr, nPr) • Factorial, Inverse, random numbers, Fractions • Logical operations • Matrix calculations
- Complex number calculations • Base-n calculations/conversions
- List data calculations • Metric Conversion • Numeric equation solver, simultaneous equations, polynomial equations • Programming • Icon menu
- User memory: 62,000 bytes • Data communication • USB port



over 1,000 FUNCTIONS | 10+2 DIGITS | 63,000 bytes | ICON MENU | NATURAL TEXTBOOK | DOT MATRIX | List-based STAT | Multi-replay | Plastic Keys | 21 characters by 8 lines

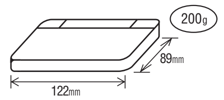


fx-9860G Slim

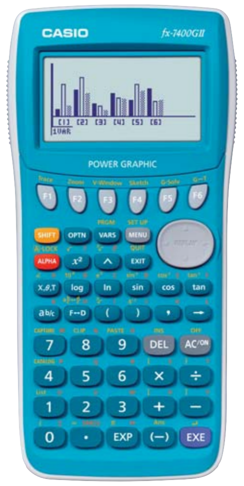
A compact and slim body with user-friendly design and interface

User-friendly Interface

- Large display (64 × 128 dots) • Graphic functions • Dynamic graph • Dual graph
- Conic section graph • Regression graph • Graph solve • Integrations
- Differential and quadratic differential calculations • Complex number calculations
- Table and graph • Recursion graph • List-based statistics • Advanced statistics
- BASIC-like program functions • Linear equations from two to six unknowns
- Quadratic equations, Cubic equations • Matrix operations • Base-n calculations/conversions
- Financial function • Data communications • High-resolution LCD • High-speed CPU
- Large-capacity 1.5MB Flash Memory • Spreadsheet • eActivity • Add-in software
- Ready-to-use USB functions • Backlight • Help and on-screen guidance



NEW



over 2,100 FUNCTIONS | 10+2 DIGITS | 20,000 bytes | ICON MENU | List-based STAT | DOT MATRIX | Multi-replay | 21 characters by 8 lines | Plastic Keys

fx-7400GII

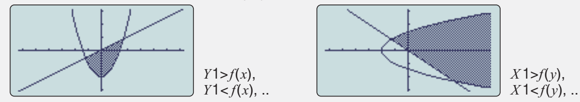


* Comes with slide-on hard case

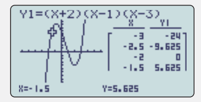
Main Functions

Inequality Graphing

Supports graphing of $X>f(y)$, inequalities.

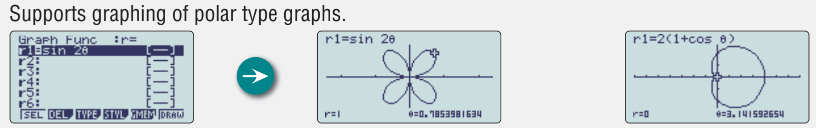


Graph & Table



Polar Graph

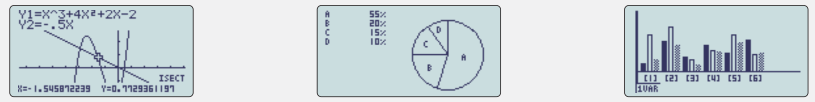
Supports graphing of polar type graphs.



Graph Solve Function

Pie Chart

Bar Graph



POWER GRAPHIC

- High-definition display (64×128 dots) • Inequality Graphing • Polar Graph • X= Graph • Graph Solve Function (Root, Intersection) • Sketch (Tangent) • Bar Graph/Pie Chart • Random Number Function
- Quotient, Remainder • String Functions • Unit Conversion • Solve Calculations (EQUA mode) • GCD/LCM • 12 Types of Regression • Complex Calculations • Catalog Function • Polynomial Function (EQUA mode) • Simultaneous Functions (EQUA mode) • Base-n Calculation • Display Language Setting • Data communication (requires optional 3-pin cable, FA-124 USB for connecting with PC)

Programmable Models

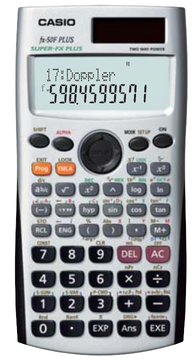


664 FUNCTIONS | 28,500 bytes | NATURAL TEXTBOOK | List-based STAT | Multi-replay | 10+2 DIGITS | DOT MATRIX | Plastic Keys

SUPER-FX PLUS
fx-5800P

Natural Textbook Display and MORE POWERFUL Program Functions

- Program function • Matrix calculations
- Differential and integration • Recursions
- Solve function • Complex number calculations
- Base-n calculations • Data transmission between two fx-5800P calculators • 26 to 2398 variables
- Fraction calculations • 40 scientific constants
- 128 built-in formulas • Multi-replay function
- Statistics (List-based Statistics, Standard deviation, Regression analysis) • Integrated hard case swings back a full 360 degrees.



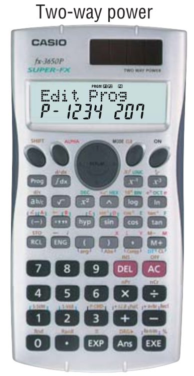
406 FUNCTIONS | STAT-data | Multi-replay | 2-LINE DISPLAY | 10+2 DIGITS | DOT MATRIX | TWO WAY POWER | Plastic Keys

SUPER-FX PLUS
fx-50F PLUS
fx-50FH HKEAA approved model

BASIC-like Program, Perfect Algebraic Method, 2-line Display, Multi-replay Function

- Program function • Multi-replay function
- 2-line display • Fraction calculations
- Combination and permutation • 23 built-in formulas • 40 scientific constants
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 7 variables • Plastic keys
- Comes with slide-on hard case

Two-way power



Button-type battery



279 FUNCTIONS | STAT-data | Multi-replay | 2-LINE DISPLAY | 10+2 DIGITS | DOT MATRIX | Plastic Keys

SUPER-FX *fx-3650P* SUPER-FX *fx-3950P*

Multi-replay Function, 2-line Display, Perfect Algebraic Method

- Program function • Multi-replay function
- 2-line display • Fraction calculations
- Combination and permutation • Differential and integration • Statistics (STAT-data editor, Standard deviation, Regression analysis)
- Base-n calculations/conversions
- Logical operations • Complex number calculations • 7 variables
- Plastic keys • Comes with snap-on hard case



242 FUNCTIONS | 2-LINE BIG DISPLAY | 10+2 DIGITS | DOT MATRIX | Plastic Keys

fx-4500PA

2-line Display and Program File System

- 2-line display shows formulas and results simultaneously • Versatile program area management: up to 1,103 program steps, and 26 (standard) to 163 variables
- Program file system for storing multiple programs • Replay function
- Engineering symbol calculations
- Formula memory • Integrations
- Statistics (Standard deviation, Regression analysis) • Base-n calculations/conversions
- Logical operations

STANDARD MODELS



Natural textbook display! NATURAL-V.P.A.M.

CASIO's original "Natural Expression Input Display" and "Natural Expression Output Display" make it possible to display fractions, exponents, logarithms, powers, and square roots just as they are written in the textbook. The result is enhanced student comprehension and improved math class efficiency.

■ Natural input
Input expressions and arithmetic operations as they appear in written form.

$\frac{\sqrt{2}}{2}\times\frac{\sqrt{3}}{3}$ — 0.4082482905

■ Natural output
Calculation results appear in the same format as they are written.

$\frac{\sqrt{18}}{3}+\frac{\sqrt{6}}{\sqrt{3}}-\sqrt{32}$ — $-2\sqrt{2}$

■ Full dot display
Equations and statistical data is displayed in a clear, easy-to-read format.

*Conventional input method can also be used.

New feature! No one upgrades the classroom environment like CASIO!

Ratio calculation 95ES PLUS

Select the ratio type and enter the non-x coefficients…

$a:b=x:d \rightarrow 1:2=x:10$



The calculator displays the value of x.

$x=5$

1 Select the ratio type.
2 Enter the non-x coefficients.
3 Enter the non-x coefficients.
4 X-value appears on the display.

New equation mode 95ES PLUS 570ES PLUS 991ES PLUS

Input an equation…

$3x^2+\sqrt{2}\,x+5=0$

The calculator displays a solution using √ and fractions.

$x=-\frac{\sqrt{2}}{6}\pm\frac{\sqrt{58}}{6}i$

Previous — NEW

X1= −0.2357022604+1▸
Decimal value display

1 Input an equation.

X1= $-\frac{\sqrt{2}}{6}+\frac{\sqrt{58}}{6}i$
√ and fraction display

Inequality 95ES PLUS

Select the inequality type and enter the non-x coefficients…

$x^2+2x-15<0$

The calculator displays the solution of the inequality

$-5<x<3$

1 Select the inequality expression type.
2 Select the inequality symbol type.
3 Enter the non-x coefficients.
4 The inequality solution appears on the display.

The ES PLUS Series now is easier to use than ever!

Prime factorization 82ES PLUS 85ES PLUS 350ES PLUS 95ES PLUS

Determine the integers for a sum of −15 and a product of 56…

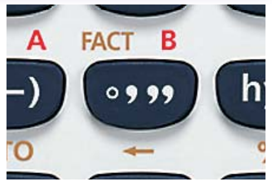
Problem: Factor $x^2-15x+56$.
Result: $(x-8)(x-7)$

Input 56.

The calculator displays the factors.

$56=2^3\times7$

Factor display

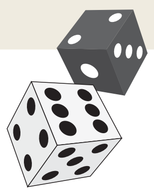


Random integers 82ES PLUS 85ES PLUS 350ES PLUS 95ES PLUS 570ES PLUS 991ES PLUS

Specify the range of random integers you want to generate… → The calculator displays a random integer.

RanInt#(1,6) — 4 — 6 — 1





A random integer is displayed each time the equals (=) key is pressed.

Natural-V.P.A.M. Models

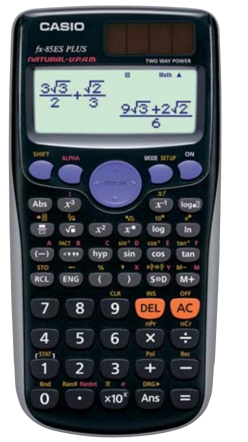
AAA-size (R03) battery



(Black) (White)

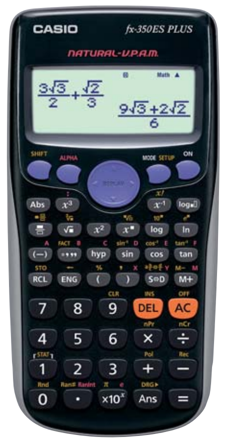
fx-82ES PLUS

Two-way power



fx-85ES PLUS

AAA-size (LR03) battery



fx-350ES PLUS

252 FUNCTIONS · NATURAL V.P.A.M. · List-based STAT · Multi-replay · 10+2 DIGITS · DOT MATRIX · Plastic Keys

New functions: • Prime factorization • Random integers

Standard functions:
• Fraction calculations • Combination and permutation • Statistics (List-based STAT data editor, standard deviation, regression analysis)
• 9 variables • Table function • Comes with new slide-on hard case

Coordinate transformation — Pol($\frac{1}{8}$, $\frac{\sqrt{3}}{8}$) r=0.25, θ=60

Power calculation — $2^2+3^3+4^4$ = 287

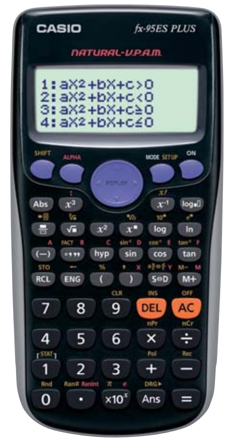
Statistics — Data registration; Regression calculation (1.376315789); Σx^2 value calculation (7.13)

Trigonometry — cos(30) = $\frac{\sqrt{3}}{2}$

* During trigonometric calculations,only values that are a multipleof 15 can be displayed using square root form.

Table function — f(X)=X²+½ Formula registration → Start? 1 Start value input; End? 5 End value input; Step? 1 Set up step value → Table calculation

AAA-size (R03) battery



fx-95ES PLUS

272 FUNCTIONS · NATURAL V.P.A.M. · List-based STAT · Multi-replay · 10+2 DIGITS · DOT MATRIX · Plastic Keys

New functions: • Prime factorization • Ratio calculation • New equation mode • Inequality • Random integers

Standard functions:
• Fraction calculations • Combination and permutation • Statistics (List-based STAT data editor, standard deviation, regression analysis)
• 9 variables • Table function • Comes with new slide-on hard case

fx-82ES PLUS/85ES PLUS/350ES PLUS functions, in addition to:
• Equation calculations

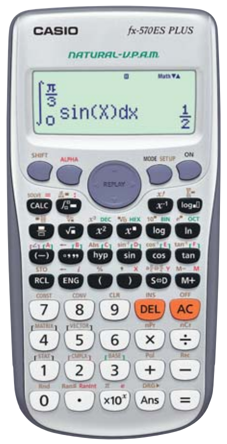
Equation menu
1: anX+bnY=cn
2: anX+bnY+cnZ=dn
3: aX²+bX+c=0
4: aX³+bX²+cX+d=0

Simultaneous linear equations — X= $-\frac{1}{13}$ → Y= $\frac{18}{13}$

Quadratic equation — X1= $-\frac{\sqrt{2}}{2}+\frac{\sqrt{6}}{2}i$ → X2= $-\frac{\sqrt{2}}{2}-\frac{\sqrt{6}}{2}i$

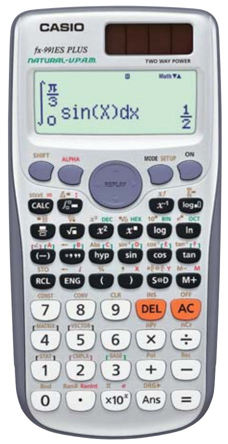
Cubic equation — X1= −5 → X2= 2 → X3= 1

AAA-size (R03) battery



fx-570ES PLUS

Two-way power



fx-991ES PLUS

417 FUNCTIONS · NATURAL V.P.A.M. · List-based STAT · Multi-replay · 10+2 DIGITS · DOT MATRIX · Plastic Keys

New functions: • New equation mode • Random integers

Standard functions:
• Fraction calculations • Combination and permutation
• Statistics (List-based STAT data editor, standard deviation, regression analysis)
• 9 variables • Table function • Comes with new slide-on hard case

fx-82ES PLUS/85ES PLUS/350ES PLUS functions, in addition to:
• Equation calculations • Integration/differential calculations • Matrix calculations
• Vector calculations • Complex number calculations • CALC function
• SOLVE function • Base-n calculation

Integration — $\int_0^2 \frac{1}{2}dx$ = 1

Complex number calculations — $\frac{-3+2i}{2+i}$ = $-\frac{4}{5}+\frac{7}{5}i$

Differential — $\frac{d}{dx}(\sin(X))|_{x=\frac{\pi}{2}}$ = 0

Vector

Matrix operations — MatA(m×n) m×n? 1:3×3 2:3×2 3:3×1 4:2×3 5:2×2 6:2×1

Natural Display Models

AAA-size (R03) battery | Two-way power | AAA-size (LR03) Alkaline battery

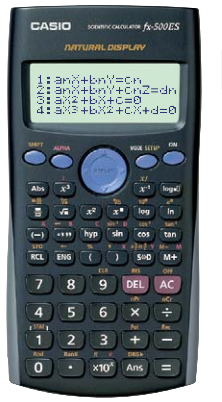


fx-82ES fx-85ES fx-350ES

249 FUNCTIONS · NATURAL TEXTBOOK · List-based STAT · Multi-replay · 10+2 DIGITS · DOT MATRIX · Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 7 variables
- Table function
- Comes with new slide-on hard case

AAA-size (R03) battery



fx-500ES

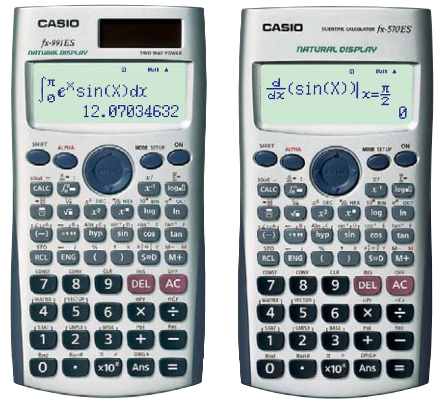
253 FUNCTIONS · NATURAL TEXTBOOK · List-based STAT · Multi-replay · 10+2 DIGITS · DOT MATRIX · Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 7 variables
- Table function
- Comes with new slide-on hard case

fx-82ES/85ES/350ES functions, in addition to:

- Equation calculations

Two-way power | AAA-size (R03) battery



fx-991ES fx-570ES

403 FUNCTIONS · NATURAL TEXTBOOK · List-based STAT · Multi-replay · 10+2 DIGITS · DOT MATRIX · Plastic Keys

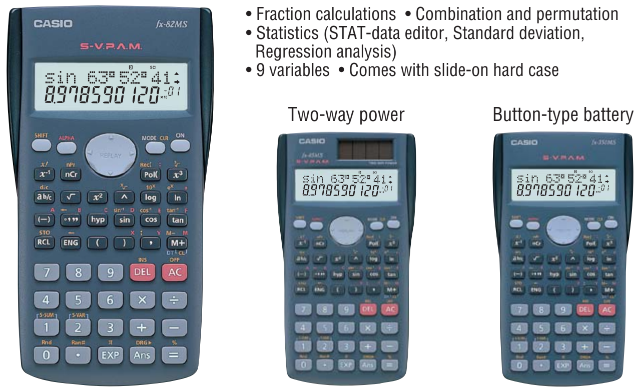
- Fraction calculations
- Combination and permutation
- Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 7 variables
- Table function
- Comes with new slide-on hard case

fx-82ES/85ES/350ES functions, in addition to:

- Equation calculations
- Integration/differential calculations
- Matrix calculations
- Vector calculations
- Complex number calculations
- CALC function
- SOLVE function
- Base-*n* calculation

S-V.P.A.M. Models

AA-size battery | Two-way power | Button-type battery

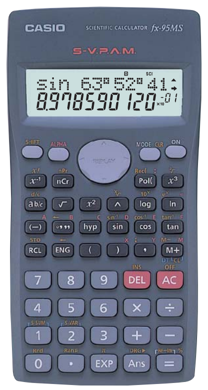


fx-82MS fx-85MS fx-350MS

- Fraction calculations
- Combination and permutation
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 9 variables
- Comes with slide-on hard case

240 FUNCTIONS · S-V.P.A.M. · STAT-data · Multi-replay · 2-LINE DISPLAY · 10+2 DIGITS · DOT MATRIX · Plastic Keys

AA-size battery



fx-95MS

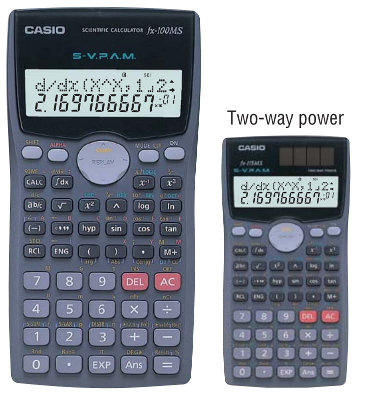
244 FUNCTIONS · S-V.P.A.M. · STAT-data · Multi-replay · 2-LINE DISPLAY · 10+2 DIGITS · DOT MATRIX · Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 9 variables
- Comes with slide-on hard case

fx-82MS/85MS/350MS functions, in addition to:

- Equation calculations

AA-size battery | Two-way power



fx-100MS fx-115MS

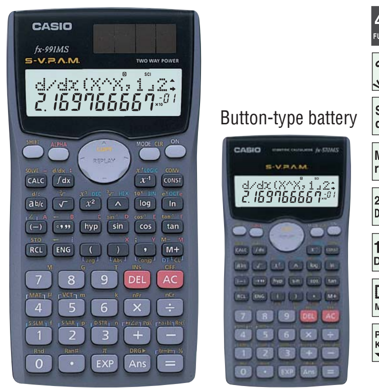
300 FUNCTIONS · S-V.P.A.M. · STAT-data · Multi-replay · 2-LINE DISPLAY · 10+2 DIGITS · DOT MATRIX · Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 9 variables
- Comes with slide-on hard case

fx-82MS/85MS/350MS functions, in addition to:

- Equation calculations
- Integration/differential calculations
- Base-*n* calculations/conversions
- Complex number calculations

Two-way power | Button-type battery



fx-991MS fx-570MS

401 FUNCTIONS · S-V.P.A.M. · STAT-data · Multi-replay · 2-LINE DISPLAY · 10+2 DIGITS · DOT MATRIX · Plastic Keys

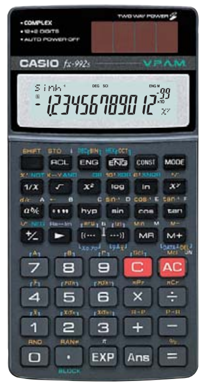
- Fraction calculations
- Combination and permutation
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 9 variables
- Comes with slide-on hard case

fx-82MS/85MS/350MS functions, in addition to:

- Equation calculations
- Integration/differential calculations
- Base-*n* calculations/conversions
- Complex number calculations
- Matrix calculations
- Vector calculations
- 40 scientific constants

V.P.A.M. Model

Two-way power



fx-992s

Built-in complex number calculations plus 128 scientific constants

383 FUNCTIONS · V.P.A.M. · 12+2 DIGITS

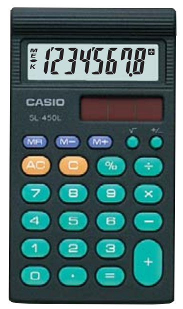
- Statistical calculations
- Engineering symbol calculations
- Base-*n* calculations/conversions



* Comes with slide-on hard case

School Cal

Tough, durable design with classroom features.

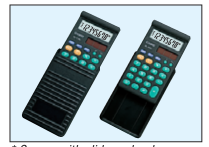


SL-450L

8 DIGITS

SUPER SOLAR · Plastic Keys · Profit Margin %

- Display: LCD • Digits: 8
- Simple algebraic logic
- Independent memory • %
- Profit Margin % • √ • +/−
- 3-digit comma markers
- Power supply: solar
- Dimensions: 7.8(H) × 67(W) × 120(D) mm
- Approximate weight: 47 g



* Comes with slide-on hard case

Financial Consultant

Two-way power



FINANCIAL CONSULTANT
FC-200V

4-LINE DISPLAY · DOT MATRIX · 10+2 DIGITS · Plastic Keys

AAA-size (R03) battery



FINANCIAL CONSULTANT
FC-100V

4-LINE DISPLAY · DOT MATRIX · 10+2 DIGITS · Plastic Keys

- Plastic keys
- Comes with new slide-on hard case
- Power supply:
  Solar cell and a single G13 type button battery (LR44) (FC-200V)/ One AAA-size battery (FC-100V)
- Approximate battery life:
  3 years (1hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- Dimensions:
  FC-200V/12.2(H) × 80(W) × 161(D) mm,
  FC-100V/13.7(H) × 80(W) × 161(D) mm
- Approximate weight:
  FC-200V/105g, FC-100V/110g

Powerful, original Financial Consultant features take much of the work out of financial calculations!

Direct mode key

A bank of mode keys provides you with one-touch access to the mode you need.

Compound interest — Payment period, interest rate, deposit amount, future value

Investment Appraisal (cash flow) — Net present value method, internal rate of return method, payback period method, etc.

Amortization — Monthly payment, principal and interest to date

General and function — Virtually the same functions as a standard calculator.

Simple interest — Interest amount, principal and interest

Statistical and regression — Statistical calculations using input sample data.



Interest rate conversion — Nominal interest rate and effective interest rate conversion

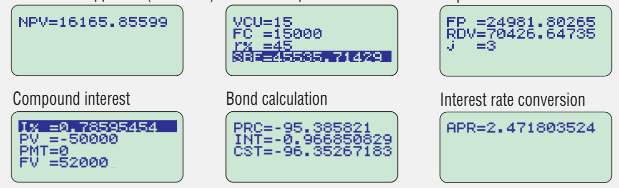
Break-even point — Six modes for calculation of break-even point, etc.

Cost,selling price,or margin — Calculation of any of the above values after inputting the other two

Day or date calculations — Virtually the same as a standard calculator, with some variation in the input method

Depreciation — Straight-line method, declining balance method

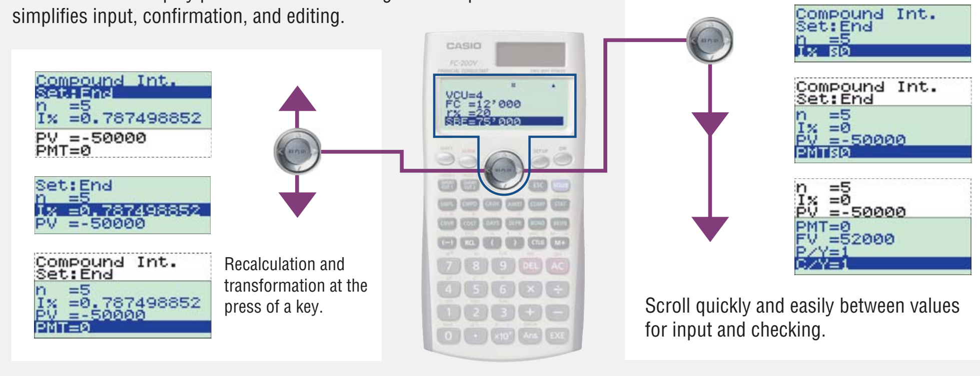
Bond calculation — Purchase price, annual yield



	FC-200V	FC-100V
Simple interest	●	●
Compound interest	●	●
Investment Appraisal (cash flow)	●	●
Amortization	●	●
Interest rate conversion	●	●
Cost,selling price,or margin	●	●
Day or date calculations	●	●
Depreciation	●	—
Bond calculation	●	—
Break-even point	●	—
General and Function	●	●
Statistical and regression	●	●

Easy operation with parameters

A full-dot 4-line display provides easier scrolling between parameters and simplifies input, confirmation, and editing.



Recalculation and transformation at the press of a key.

Scroll quickly and easily between values for input and checking.

Calculate the result.

The result appears immediately after you press the SOLVE key.



Create shortcuts.

Once you use a parameter value or setting in a calculation, you can assign it to a shortcut key for instant recall whenever you need it. This feature is great for repeat calculations.



Supporting options in the Classroom

SUPPORT CLASSROOM with TECHNOLOGY

Data Analysis System — Quick and accurate collection supports data analysis.



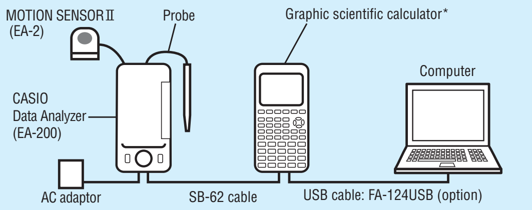
EA-200

- Collect data at rates of up to 50,000 points per second for up to 120,000 points.
- Compatible with the CASIO fx-7400 series, CFX-9850 series, ALGEBRA FX 2.0 series, fx-9860G series, fx-9750G series and ClassPad series.

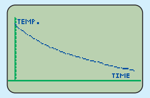
Includes:
- CASIO Data Analyzer
- Temperature probe
- Optical probe
- Voltage probe
- Data communication cable: SB-62
- AC adaptor: AD-A60024
- Soft case
- Four AA-size alkaline batteries

** Data trasfer to Classpad series is possible only via main 3-pin port, not via sub ports.*

System Configuration



Example of changing temperature data over time
(drop in temperature of hot water)



* ClassPad 330/fx-9860GII SD/fx-9860GII /fx-9860G Slim/fx-9860G SD/fx-9860G/fx-9750GII /ClassPad 300 PLUS/ClassPad 300/ALGEBRA FX 2.0 PLUS/FX 1.0 PLUS/ALGEBRA FX 2.0/FX 1.0/CFX-9850GB PLUS/CFX-9850GC PLUS/CFX-9950GB PLUS/fx-9750G/fx-9750G PLUS/fx-9750GA PLUS/fx-7450G/fx-7400G PLUS/fx-7400GII /RM-ALGEBRA FX 2.0/RM-ClassPad PLUS/RM-7000/RM-9000/RM-9850Ga PLUS/OH-ClassPad 330/OH-ALGEBRA FX2.0/OH-9000/VI-9850Ga PLUS/VI-9850GB PLUS

MOTION SENSOR II

EA-2

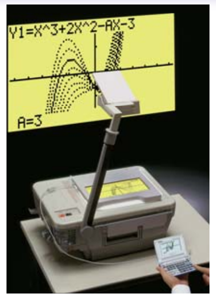
*Supplies extremely limited

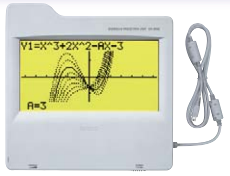




The EA-2 emits ultrasonic pulses and detects pulses returned as echoes from the target. It can be connected to the CASIO EA-200 Data Analyzer to accumulate and analyze data.

OHP Projection Unit





OH-9860

Makes lessons more interesting

Simply use a USB cable to connect an fx-9860GII SD, fx-9860GII, fx-9750GII or fx-9860G Slim calculator to the OH-9860 to project the contents of the calculator display. This option lets students or teachers connect and project for classroom presentations. All of this makes class activities more interesting and challenging, and improves student learning and understanding.

A powerful classroom presentation tool! OHP projects display contents onto a big screen!



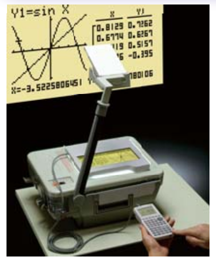
OH-300ES PLUS
OH-300ES
OH-300MS

- OH-300ES PLUS provides the same powerful functions as the fx-82ES PLUS/85ES PLUS/350ES PLUS.
- OH-300ES provides the same powerful functions as the fx-82ES/85ES/350ES.
- OH-300MS provides the same powerful functions as the fx-82MS/85MS/350MS.



Simply place this transparent option onto an OHP to project its image and explain both screen contents and key operations.

Graphic Scientific Calculator Projection Set



Simply place the supplied calculator onto an OHP unit to project screen contents onto a screen for easy viewing by everyone in the classroom. The calculator can be controlled remotely by a hand-held calculator.

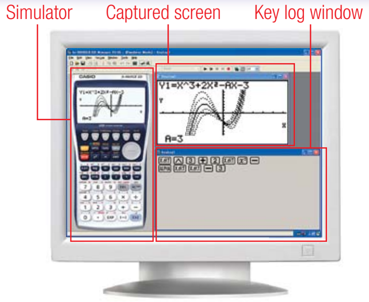


All the functions of the ClassPad 330

OH-ClassPad 330 SET

Includes:
- Graphic scientific unit: OH-ClassPad 330 (same functions as ClassPad 330)
- Projection unit: OH-30
- Data transfer cable: SB-62
- PC-Link cable: USB
- Carrying bag

Software



FA-9860A Ver. 2.0 • fx-Manager PLUS (Single License)
FA-9860B Ver. 2.0 • fx-Manager PLUS (School License)

- fx-9860GII SD, fx-9860GII, fx-9750GII or fx-9860G Slim Calculator Emulation
  Mimics calculator operation using a computer mouse and keyboard.
- Copy and paste between the Spreadsheet application and Excel®
- Key-Log Editor Key-Log auto play of recorded key operations
  Step playback
- Emulator LCD screen capture • Screen Receiver

System Requirements
Operating System: Windows® 2000 Professional, Windows® XP Home Edition, Windows® XP Professional (32-bit), Windows Vista® (32-bit), Windows® 7 (32-bit)
Others: Microsoft® Excel® 2000, Microsoft® Excel® 2003, or Microsoft® Excel® 2007

FA-124USB Data Communication Package





ClassPad Manager for ClassPad 330 Ver. 3.0
- FA-CP330A Ver. 3.0 (Single License)
- FA-CP330B Ver. 3.0 (School License)

- Laplace Transform/Fourier Transform
- Geometry Application • Financial Function
- Differential Equation Application
- Spreadsheet Application • Data communication with ClassPad 330 series calculators

System Requirements
Computer: Recommended Intel® Pentium® III 500 MHz with USB
Operating Systems: Windows® 2000 Professional, Windows® XP Home Edition, Windows® XP Professional (32-bit), Windows Vista® (32-bit), Windows® 7 (32-bit)
Disk Space: 100 MB available for installation
Memory: Recommended for operating system



FC EMULATOR
(for FC-100V/FC-200V)

Easy emulator image resizing
Easy LCD window resizing
Easy captured LCD image resizing

- Emulation of FC-100V/200V
  Emulation of FC-100V/200V calculator operation using your computer mouse and keyboard.
- Basic KeyLog (Copy and paste only)
- Emulator LCD screen image capture

System Requirements
Operating Systems: Windows® 2000 Professional, Windows® XP Home Edition, Windows® XP Professional (32-bit), Windows Vista® (32-bit), Windows® 7 (32-bit)



fx-ES Emulator
(for fx-82ES Series)
fx-ES PLUS Emulator
(for fx-82ES PLUS Series)

Easy emulator image resizing
Easy LCD window resizing
Easy captured LCD image resizing

- Emulation of fx-82ES Series and fx-82ES PLUS Series
  Emulation of fx-82ES Series and fx-82ES PLUS Series calculator operation using your computer mouse and keyboard.
- Emulator LCD screen image capture

System Requirements
Operating Systems: Windows® 2000 Professional, Windows® XP Home Edition, Windows® XP Professional (32-bit), Windows Vista® (32-bit), Windows® 7 (32-bit)

Scientific Calculators Specification Table

		Graphic Models							Programmable Models		
		ClassPad 330	ALGEBRA FX 2.0 PLUS	fx-9860GII SD	fx-9860GII	fx-9860G Slim	fx-9750GII	fx-7400GII	fx-5800P	fx-50F PLUS / fx-50FH	fx-3650P
Specifications	Number of functions	(Over 1,500)*6	Over 1,500	(Over 2,900)*6	(Over 2,900)*6	(Over 1,000)*6	(Over 2,800)	(Over 2,100)	664	406	279
	Power supply (Main)	AAA x 4	AAA x 4	AAA x 4	AAA x 4	AAA x 2	AAA x 4	AAA x 4	AAA x 1 (LR03)	Two-way power (Solar + LR44 x 1)	Two-way power (Solar + LR44 x 1)
	Power supply (Backup)	—	CR2032 × 1	—	—	—	—	—	—	—	—
	Approximate battery life Main (hours)	140 (LR03)*1	140 (R03)*2/ 230 (LR03)*2	200 (LR03)*1	200 (LR03)*1	140 (LR03)*1	230 (LR03)*1	230 (LR03)*1	1 year*3	3 years (LR44)*3	3 years (LR44)*3
	Approximate battery life Backup (years)	—	2	—	—	—	—	—	—	—	—
	Dimensions H×W×D(mm)	21 x 84 x 189.5	19.5 x 82 x 178	21.2 x 91.5 x 184	21.2 x 91.5 x 184	20.7 x 122 x 89	21.3 x 87.5 x 180.5	21.3 x 87.5 x 180.5	15.1 x 81.5 x 163	12.2 x 80 x 161	11.8 x 80 x 159
	Approximate weight (g)	280	213	225	220	200	205	205	150	105	100
	Case style	Snap-on hard	Slide-on hard	Slide-on hard	Slide-on hard	—	Slide-on hard	Slide-on hard	Integrated hard	Slide-on hard	Snap-on hard
	Dot matrix display	160 × 240 dots	64 × 128 dots	64 × 128 dots	64 × 128 dots	64 × 128 dots	64 × 128 dots	64 × 128 dots	31 × 96 dots	5 × 7 dots × 16 digits	5 × 6 dots × 12 digits
	Display capacity (characters)	20 × 17	21 × 8	21 × 8	21 × 8	21 × 8	21 × 8	21 × 8	16	16	12
	Mantissa + exponent digits	10 + 3	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2
	Icon menus	●	●	●	●	●	●	●	—	—	—
	Internal operation digits	15	15	15	15	15	15	15	15	15	12
	Nested parentheses levels	Up to memory	26	26	26	26	26	26	26	24	24
Programming Functions	Program logic	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	●
	Memory (bytes)	515,000	146,000	62,000	62,000	63,000	62,000	20,000	28,500	680	360
	Program areas	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	4	4
	Storage memory area (Flash memory)	5.3MB	768KB	1.5MB	1.5MB	1.5MB	—	—	—	—	—
	Built-in formulas	—	—	—	—	—	—	—	128	23	—
Utilities	Natural textbook display / NATURAL-V.P.A.M.	●	—	●	●	●	—	—	●	—	—
	Key rollover function	●	●	●	●	●	●	●	●	●	●
	Replay function	(History)	●	●	●	●	●	●	●	●	●
	Multi-replay functions	(History)	●	●	●	●	●	●	●	●	●
	Replay copy	—	—	—	—	—	—	—	—	—	—
	Backspace	●	—	●	●	●	●	●	●	●	●
	CALC function	—	—	—	—	—	—	—	●	—	—
	SOLVE function	●	●	●	●	●	●	●	●	—	—
	Answer function	●	●	●	●	●	●	●	●	●	●
	Variables	Up to memory	28	28	28	28	28	28	26 – 2398	7	7
	Onboard function manual	—	—	—	—	●	—	—	—	—	—
	Syntax help	—	—	—	—	●	—	—	—	—	—
	Auto power off	●	●	●	●	●	●	●	●	●	●
Special Features	Base-*n* calculations (Binary/Octal/Hexadecimal)	●	●	●	●	●	●	●	●	●	●
	Logical operations	●	●	●	●	●	●	●	●	●	●
	Engineering symbol calculations	—	●	●	●	●	●	●	●	—	—
	Engineering notation (ENG/$\overleftarrow{ENG}$)	—	●	●	●	●	●	●	●	●	●
	Scientific constants	—	—	—	—	—	—	—	40	40	—
	Metric conversions	—	—	●	●	—	●	●	—	—	—
CAS	Computer Algebra System	●	●	—	—	—	—	—	—	—	—
Basic Functions	Trigonometric, inverse trigonometric (sin/cos/tan/sin^{-1}/cos^{-1}/tan^{-1})	●	●	●	●	●	●	●	●	●	●
	Hyperbolic, inverse hyperbolic (sinh/cosh/tanh/$sinh^{-1}$/$cosh^{-1}$/$tanh^{-1}$)	●	●	●	●	●	●	●	●	●	●
	Exponential, logarithmic (log, ln, 10^x, e^x)	●	●	●	●	●	●	●	●	●	●
	Base specified logarithmic	●	—	●	●	●	●	●	●	●	—
	Power and radical root (x^y/ $\sqrt[x]{\ }$)	●	●	●	●	●	●	●	●	●	●
	Fraction	●	●	●	●	●	●	●	●	●	●
	Percentage calculation (%)	●	—	—	—	—	—	—	●	●	●
	Rounding	●	●	●	●	●	●	●	●	●	●
	Simplification	—	—	●	●	—	●	●	—	—	—
	Integer division	—	—	●	●	—	●	●	—	—	—
	GCD/LCM	●	●	●	●	—	●	●	—	—	—
	Sexagesimal ↔ decimal	●	●	●	●	●	●	●	●	●	●
	Display format (FIX, SCI)	●	●	●	●	●	●	●	●	●	●
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●
	Angle unit conversion (Deg, Rad, Grad)	● / ● / —	●	●	●	●	●	●	●	●	●
	Factorization into prime factors	●	—	—	—	—	—	—	—	—	—
	Ratio calculation	—	—	—	—	—	—	—	—	—	—
Calculus	Differentiation calculation	●	●	●	●	●	●	●	●	—	●
	Integration calculation	●	●	●	●	●	●	●	●	—	●
Algebra	Simultaneous equation	●	● (30 unknowns)	● (6 unknowns)	● (6 unknowns)	● (6 unknowns)	● (6 unknowns)	● (6 unknowns)	● (5 unknowns)	—	—
	Polynomial equation	●	● (Degree 2–30)	● (Degree 2-6)	● (Degree 2-6)	● (Degree 2, 3)	● (Degree 2-6)	● (Degree 2-6)	● (Degree 2, 3)	—	—
	Inequality calculation	●	—	—	—	—	—	—	—	—	—
	Table function	●	●	●	●	●	●	●	●	—	—
	Matrix calculations	●	●	●	●	●	●	—	●	—	—
	Complex number calculation	●	●	●	●	●	●	●	●	●	●
Geometry	Geometry Application	●	—	● (Preloaded)	● (Preloaded)	—	—	—	—	—	—
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●	●	●	●	●
	Vector calculations	●	—	—	—	—	—	—	—	—	—
Probability	Combination, permutation (*n*C*r*, *n*P*r*)	●	●	●	●	●	●	●	●	●	●
Statistics	Random numbers	●	●	●	●	●	●	●	●	●	●
	Random integers	●	—	●	●	—	●	●	—	—	—
	List-based STAT data editor	●	●	●	●	●	●	●	●	●	●
	Standard deviation	●	●	●	●	●	●	●	●	●	●
	Regression analysis	●	●	●	●	●	●	●	●	●	●
	Linear regression	●	●	●	●	●	●	●	●	●	●
	ab Exponential regression	●	—	●	●	—	●	●	●	—	—
	Advanced statistics	●	●	●	●	●	●	—	—	—	—
	Other regressions	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad
Finance	Financial function	●	●	●	●	●	●	—	—	—	—
Spreadsheet	Spreadsheet	●	—	●	●	●	—	—	—	—	—
Others	eActivity	●	—	●	●	● (eActivity Guide)	—	—	—	—	—
	Data communication	●	●	●	●	●	●	●	●	—	—
	Others	Picture, Presentation, 3D graph, DiffEq Graph	Recursions	Recursions Backlight display	Recursions Backlight display	Recursions Backlight display	Recursions	—	Recursions	—	—

*1 Continuous operation (assuming 5 minutes calculation and 55 minutes display per hour) *2 Continuous display of main menu *3 1 hour use per day *4 Continuous display of flashing cursor *5 When left with power turned off *6 Changes when OS is updated

Scientific Calculators Specification Table

		Programmable Models		Standard Models									
		fx-3950P	fx-4500PA	fx-82ES PLUS	fx-85ES PLUS	fx-350ES PLUS	fx-95ES PLUS	fx-570ES PLUS	fx-991ES PLUS	fx-82ES	fx-85ES	fx-350ES	fx-500ES
Specifications	Number of functions	279	242	252	252	252	274	417	417	249	249	249	253
	Power supply (Main)	LR44 × 1	CR2032 × 1	AAA × 1 (R03)	Two-way power (Solar + LR44 × 1)	AAA × 1 (LR03)	AAA × 1(R03)	AAA × 1 (R03)	Two-way power (Solar + LR44 × 1)	AAA × 1 (R03)	Two-way power (Solar + LR44 × 1)	AAA × 1 (LR03)	AAA × 1 (R03)
	Power supply (Backup)	—	CR2032 × 1	—	—	—	—	—	—	—	—	—	—
	Approximate battery life Main (hours)	9,000[*4]/ 3 years[*5]	5,000[*4]	17,000[*4]	3 years (LR44)[*3]	8,700[*1]	17,000[*4]	17,000[*4]	3 years (LR44)[*3]	17,000[*4]	3 years (LR44)[*3]	8,700[*1]	17,000[*4]
	Approximate battery life Backup (years)	—	2	—	—	—	—	—	—	—	—	—	—
	Dimensions H×W×D(mm)	11.8 × 80 × 159	9.9 × 73 × 141.5	13.8 × 80 × 162	11.1 × 80 × 162	13.8 × 80 × 162	13.8 × 80 × 162	13.8 × 80 × 162	11.1 × 80 × 162	13.7 × 80 × 161	12.2 × 80 × 161	13.7 × 80 × 161	13.7 × 80 × 161
	Approximate weight (g)	100	85	100	95	100	100	100	95	110	105	110	110
	Case style	Snap-on hard	Wallet	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard
	Dot matrix display	5 × 6 dots × 12 digits	5 × 7 dots × 12 digits	31 × 96 dots	31 × 96 dots	31 × 96 dots	31 × 96 dots	31 × 96 dots	31 × 96 dots	31 × 96 dots	31 × 96 dots	31 × 96 dots	31 × 96 dots
	Display capacity (characters)	12	12	15	15	15	15	15	15	15	15	15	15
	Mantissa + exponent digits	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2
	Icon menus	—	—	—	—	—	—	—	—	—	—	—	—
	Internal operation digits	12	12	15	15	15	15	15	15	15	15	15	15
	Nested parentheses levels	24	24	24	24	24	24	24	24	24	24	24	24
Programming Functions	Program logic	●	●	—	—	—	—	—	—	—	—	—	—
	Memory (bytes)	360	1,103	—	—	—	—	—	—	—	—	—	—
	Program areas	4	Up to memory	—	—	—	—	—	—	—	—	—	—
	Storage memory area (Flash memory)	—	—	—	—	—	—	—	—	—	—	—	—
	Built-in formulas	—	—	—	—	—	—	—	—	—	—	—	—
Utilities	Natural textbook display / NATURAL-V.P.A.M.	—	—	●	●	●	●	●	●	●	●	●	●
	Key rollover function	●	●	●	●	●	●	●	●	●	●	●	●
	Replay function	●	●	●	●	●	●	●	●	●	●	●	●
	Multi-replay functions	●	—	●	●	●	●	●	●	●	●	●	●
	Replay copy	—	—	—	—	—	—	—	—	—	—	—	—
	Backspace	●	●	●	●	●	●	●	●	●	●	●	●
	CALC function	—	●	—	—	—	—	●	●	—	—	—	—
	SOLVE function	—	—	—	—	—	—	●	●	—	—	—	—
	Answer function	●	●	●	●	●	●	●	●	●	●	●	●
	Variables	7	26 – 163	9	9	9	9	9	9	7	7	7	7
	Onboard function manual	—	—	—	—	—	—	—	—	—	—	—	—
	Syntax help	—	—	—	—	—	—	—	—	—	—	—	—
	Auto power off	●	●	●	●	●	●	●	●	●	●	●	●
Special Features	Base-*n* calculations (Binary/Octal/Hexadecimal)	●	●	—	—	—	—	●	●	—	—	—	—
	Logical operations	●	●	—	—	—	—	●	●	—	—	—	—
	Engineering symbol calculations	—	●	—	—	—	—	—	—	—	—	—	—
	Engineering notation (ENG/ÉNG)	●	●	●	●	●	●	●	●	●	●	●	●
	Scientific constants	—	—	—	—	—	—	40	40	—	—	—	—
	Metric conversions	—	—	—	—	—	—	40	40	—	—	—	—
CAS	Computer Algebra System	—	—	—	—	—	—	—	—	—	—	—	—
Basic Functions	Trigonometric, inverse trigonometric (sin/cos/tan/sin^{-1}/cos^{-1}/tan^{-1})	●	●	●	●	●	●	●	●	●	●	●	●
	Hyperbolic, inverse hyperbolic (sinh/cosh/tanh/$sinh^{-1}$/$cosh^{-1}$/$tanh^{-1}$)	●	●	●	●	●	●	●	●	●	●	●	●
	Exponential, logarithmic (log, ln, 10^x, e^x)	●	●	●	●	●	●	●	●	●	●	●	●
	Base specified logarithmic	—	—	●	●	●	●	●	●	●	●	●	●
	Power and radical root (x^y/ $\sqrt[x]{\ }$)	●	●	●	●	●	●	●	●	●	●	●	●
	Fraction	●	●	●	●	●	●	●	●	●	●	●	●
	Percentage calculation (%)	●	●	●	●	●	●	●	●	●	●	●	●
	Rounding	●	●	●	●	●	●	●	●	●	●	●	●
	Simplification	—	—	—	—	—	—	—	—	—	—	—	—
	Integer division	—	—	—	—	—	—	—	—	—	—	—	—
	GCD/LCM	—	—	—	—	—	—	—	—	—	—	—	—
	Sexagesimal ↔ decimal	●	●	●	●	●	●	●	●	●	●	●	●
	Display format (FIX, SCI)	●	●	●	●	●	●	●	●	●	●	●	●
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●	●	●
	Angle unit conversion (Deg, Rad, Grad)	●	—	●	●	●	●	●	●	●	●	●	●
	Factorization into prime factors	—	—	●	●	●	●	—	—	—	—	—	—
	Ratio calculation	—	—	—	—	—	●	—	—	—	—	—	—
Calculus	Differentiation calculation	●	—	—	—	—	—	●	●	—	—	—	—
	Integration calculation	●	●	—	—	—	—	●	●	—	—	—	—
Algebra	Simultaneous equation	—	—	—	—	—	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	—	—	—	● (3 unknowns)
	Polynomial equation	—	—	—	—	—	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	—	—	—	● (Degree 2, 3)
	Inequality calculation	—	—	—	—	—	●	—	—	—	—	—	—
	Table function	—	—	●	●	●	●	●	●	●	●	●	●
	Matrix calculations	—	—	—	—	—	—	●	●	—	—	—	—
	Complex number calculation	●	—	—	—	—	—	●	●	—	—	—	—
Geometry	Geometry Application	—	—	—	—	—	—	—	—	—	—	—	—
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●	●	●	●	●	●	●
	Vector calculations	—	—	—	—	—	—	●	●	—	—	—	—
Probability	Combination, permutation (*n*C*r*, *n*P*r*)	●	●	●	●	●	●	●	●	●	●	●	●
Statistics	Random numbers	●	●	●	●	●	●	●	●	●	●	●	●
	Random integers	—	—	●	●	●	●	●	●	—	—	—	—
	List-based STAT data editor	●	—	●	●	●	●	●	●	●	●	●	●
	Standard deviation	●	●	●	●	●	●	●	●	●	●	●	●
	Regression analysis	●	●	●	●	●	●	●	●	●	●	●	●
	Linear regression	●	●	●	●	●	●	●	●	●	●	●	●
	ab Exponential regression	—	—	●	●	●	●	●	●	●	●	●	●
	Advanced statistics	—	—	—	—	—	—	—	—	—	—	—	—
	Other regressions	Log, Exp, Pwr, Inv, Quad	—	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad
Finance	Financial function	—	—	—	—	—	—	—	—	—	—	—	—
Spreadsheet	Spreadsheet	—	—	—	—	—	—	—	—	—	—	—	—
Others	eActivity	—	—	—	—	—	—	—	—	—	—	—	—
	Data communication	—	—	—	—	—	—	—	—	—	—	—	—
	Others	—	—	—	—	—	—	—	—	—	—	—	—

[*1] Continuous operation (assuming 5 minutes calculation and 55 minutes display per hour) [*2] Continuous display of main menu [*3] 1 hour use per day [*4] Continuous display of flashing cursor [*5] When left with power turned off [*6] Changes when OS is updated

Scientific Calculators Specification Table

		Standard Models										
		fx-991ES	fx-570ES	fx-82MS	fx-85MS	fx-350MS	fx-95MS	fx-100MS	fx-115MS	fx-991MS	fx-570MS	fx-992S
Specifications	Number of functions	403	403	240	240	240	244	300	300	401	401	383
	Power supply (Main)	Two-way power (Solar + LR44 × 1)	AAA × 1 (R03)	AA × 1	Two-way power (Solar + LR44 × 1)	LR44 × 1	AA × 1	AA × 1	Two-way power (Solar + LR44 × 1)	Two-way power (Solar + LR44 × 1)	LR44 × 1	Two-way power (Solar + LR44 × 1)
	Power supply (Backup)	—	—	—	—	—	—	—	—	—	—	—
	Approximate battery life Main (hours)	3 years (LR44)[*3]	17,000[*4]	17,000[*4]/ 2 years[*5]	3 years (LR44)[*3]	9,000[*4]/ 3years[*5]	17,000[*4]/ 2 years[*5]	17,000[*4]/ 2 years[*5]	3 years (LR44)[*3]	3 years (LR44)[*3]	9,000[*4]/ 3 years[*5]	3 years (LR44)[*3]
	Approximate battery life Backup (years)	—	—	—	—	—	—	—	—	—	—	—
	Dimensions H×W×D(mm)	12.2 × 80 × 161	13.7 × 80 × 161	18.6 × 85 × 156	12.2 × 85 × 155	12.2 × 85 × 155	19.5 × 78 × 155	20 × 78 × 155	12.7 × 78 × 154.5	12.7 × 78 × 154.5	12.7 × 78 × 154.5	8.8 × 73 × 144
	Approximate weight (g)	105	110	125	100	100	130	133	105	105	105	74.3
	Case style	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard
	Dot matrix display	31 × 96 dots	31 × 96 dots	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 5 dots × 4 digits
	Display capacity (characters)	15	15	12	12	12	12	12	12	12	12	—
	Mantissa + exponent digits	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	12 + 2
	Icon menus	—	—	—	—	—	—	—	—	—	—	—
	Internal operation digits	15	15	15	15	15	12	12	12	12	12	14
	Nested parentheses levels	24	24	24	24	24	24	24	24	24	24	18
Programming Functions	Program logic	—	—	—	—	—	—	—	—	—	—	—
	Memory (bytes)	—	—	—	—	—	—	—	—	—	—	—
	Program areas	—	—	—	—	—	—	—	—	—	—	—
	Storage memory area (Flash memory)	—	—	—	—	—	—	—	—	—	—	—
	Built-in formulas	—	—	—	—	—	—	—	—	—	—	—
Utilities	Natural textbook display / NATURAL-V.P.A.M.	●	●	—	—	—	—	—	—	—	—	—
	Key rollover function	●	●	●	●	●	●	●	●	●	●	●
	Replay function	●	●	●	●	●	●	●	●	●	●	—
	Multi-replay functions	●	●	●	●	●	●	●	●	●	●	—
	Replay copy	—	—	—	—	—	—	●	●	●	●	—
	Backspace	●	●	●	●	●	●	●	●	●	●	●
	CALC function	●	●	—	—	—	—	●	●	●	●	—
	SOLVE function	●	●	—	—	—	—	●	●	●	●	—
	Answer function	●	●	●	●	●	●	●	●	●	●	●
	Variables	7	7	9	9	9	9	9	9	9	9	7
	Onboard function manual	—	—	—	—	—	—	—	—	—	—	—
	Syntax help	—	—	—	—	—	—	—	—	—	—	—
	Auto power off	●	●	●	●	●	●	●	●	●	●	●
Special Features	Base-*n* calculations (Binary/Octal/Hexadecimal)	●	●	—	—	—	—	●	●	●	●	●
	Logical operations	●	●	—	—	—	—	●	●	●	●	●
	Engineering symbol calculations	—	—	—	—	—	—	●	●	●	●	●
	Engineering notation (ENG/ÉNG)	●	●	●	●	●	●	●	●	●	●	●
	Scientific constants	40	40	—	—	—	—	—	—	40	40	128
	Metric conversions	40	40	—	—	—	—	—	—	40	40	—
CAS	Computer Algebra System	—	—	—	—	—	—	—	—	—	—	—
Basic Functions	Trigonometric, inverse trigonometric (sin/cos/tan/sin^{-1}/cos^{-1}/tan^{-1})	●	●	●	●	●	●	●	●	●	●	●
	Hyperbolic, inverse hyperbolic (sinh/cosh/tanh/$sinh^{-1}$/$cosh^{-1}$/$tanh^{-1}$)	●	●	●	●	●	●	●	●	●	●	●
	Exponential, logarithmic (log, ln, 10^x, e^x)	●	●	●	●	●	●	●	●	●	●	●
	Base specified logarithmic	●	●	—	—	—	—	—	—	—	—	—
	Power and radical root (x^y/ $\sqrt[x]{\ }$)	●	●	●	●	●	●	●	●	●	●	●
	Fraction	●	●	●	●	●	●	●	●	●	●	●
	Percentage calculation (%)	●	●	●	●	●	●	●	●	●	●	●
	Rounding	●	●	●	●	●	●	●	●	●	●	●
	Simplification	—	—	—	—	—	—	—	—	—	—	—
	Integer division	—	—	—	—	—	—	—	—	—	—	—
	GCD/LCM	—	—	—	—	—	—	—	—	—	—	—
	Sexagesimal ↔ decimal	●	●	●	●	●	●	●	●	●	●	●
	Display format (FIX, SCI)	●	●	●	●	●	●	●	●	●	●	●
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●	●
	Angle unit conversion (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●	—
	Factorization into prime factors	—	—	—	—	—	—	—	—	—	—	—
	Ratio calculation	—	—	—	—	—	—	—	—	—	—	—
Calculus	Differentiation calculation	●	●	—	—	—	—	●	●	●	●	—
	Integration calculation	●	●	—	—	—	—	●	●	●	●	—
Algebra	Simultaneous equation	● (3 unknowns)	● (3 unknowns)	—	—	—	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	—
	Polynomial equation	● (Degree 2, 3)	● (Degree 2, 3)	—	—	—	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	—
	Inequality calculation	—	—	—	—	—	—	—	—	—	—	—
	Table function	●	●	—	—	—	—	—	—	—	—	—
	Matrix calculations	●	●	—	—	—	—	—	—	●	●	—
	Complex number calculation	●	●	—	—	—	—	●	●	●	●	●
Geometry	Geometry Application	—	—	—	—	—	—	—	—	—	—	—
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●	●	●	●	●	●
	Vector calculations	●	●	—	—	—	—	—	—	●	●	—
Probability	Combination, permutation (*n*C*r*, *n*P*r*)	●	●	●	●	●	●	●	●	●	●	●
Statistics	Random numbers	●	●	●	●	●	●	●	●	●	●	●
	Random integers	—	—	—	—	—	—	—	—	—	—	—
	List-based STAT data editor	●	●	●	●	●	●	●	●	●	●	—
	Standard deviation	●	●	●	●	●	●	●	●	●	●	●
	Regression analysis	●	●	●	●	●	●	●	●	●	●	●
	Linear regression	●	●	●	●	●	●	●	●	●	●	●
	ab Exponential regression	●	●	—	—	—	—	—	—	—	—	—
	Advanced statistics	—	—	—	—	—	—	—	—	—	—	—
	Other regressions	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	—
Finance	Financial function	—	—	—	—	—	—	—	—	—	—	—
Spreadsheet	Spreadsheet	—	—	—	—	—	—	—	—	—	—	—
Others	eActivity	—	—	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M., Normal distribution	S-V.P.A.M., Normal distribution	S-V.P.A.M., Normal distribution	S-V.P.A.M., Normal distribution	V.P.A.M.
	Data communication	—	—									
	Others	—	—									



PRACTICAL CALCULATORS

A full lineup of easy-to-use models to meet a variety of different needs.

Dress up your desktop with your favorite design.

A choice of colours to suit your style.

Stylish Calculator

Five Styles Calculator

Five distinctively designed calculators that are fun to own and use.
Express your individuality with a stylish calculator.



NEW

EXTRA LARGE DISPLAY · Tax & Exch. · TWO WAY POWER · TILT DISPLAY · Key Rollover · Profit Margin % · Plastic Keys · Metal Faceplate



BURNING RED — JW-210TV-RD
ACTIVE ORANGE — JW-210TV-OE
COOL BLUE — JW-210TV-BU
DEEP BLACK — JW-210TV-BK
PURE WHITE — JW-210TV-WE

Adjustable Tilt Display

Freely adjustable display angle

Compact desk type **JW-210TV** 12 DIGITS

NEW

EXTRA LARGE DISPLAY · Metal Faceplate · TWO WAY POWER · TAX · Key Rollover · Time Calcu. · Plastic Keys · Profit Margin %



BURNING RED — SL-1110TV-RD
ACTIVE ORANGE — SL-1110TV-OE
COOL BLUE — SL-1110TV-BU
DEEP BLACK — SL-1110TV-BK
PURE WHITE — SL-1110TV-WE

Portable type **SL-1110TV** 10 DIGITS

The Designer Calculator



EXTRA LARGE DISPLAY · Tax & Exch. · Profit Margin % · TWO WAY POWER · TILT DISPLAY · Key Rollover · Day Calcu. · Plastic Keys · Time Calcu.



Black
White

Adjustable Tilt Display

Freely adjustable display angle

Compact desk type **RT-7000** 12 DIGITS

Model	Digits	Independent memory	GT	%	Profit margin %	√	+/−	▶	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case	Others
JW-210TV	12	○	○	○	○	○	○	○	○	—	○	○	○	○	0,1,2,3,4	○	Two-way power	26.1×107×178.5	170	—	—
SL-1110TV	10	○	—	○	○	○	○	○	○	○	○	—	—	—	—	—	Two-way power	8.5×70×118.5	60	Wallet	—
RT-7000	12	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	19.7×108.5×180	250	—	Day/Date Calculations
MS-10VC	10	○	—	○	○	○	○	○	○	○	○	—	—	—	—	—	Two-way power	26.2×105.5×144	100	—	—
SL-300VC	8	○	—	○	○	○	○	○	○	○	○	—	—	—	—	—	Two-way power	8×70×118.5	50	Wallet	—
MS-6VC	8	○	—	○	○	—	○	—	○	—	○	—	—	—	—	—	Two-way power	19.2×87×120.5	70	—	—
SL-100VC	8	○	—	○	○	—	○	○	○	—	○	—	—	—	—	—	Two-way power	Ⓕ13.5×91×55 Ⓤ9.4×91×110.5	55	—	—

ⒻFolded ⓊUnfolded

My Colour Selection



Sweet Pink — MS-10VC-PK
Aqua Blue — MS-10VC-BE
Fresh Yellow — MS-10VC-YW
Mystic Purple — MS-10VC-PL
Pure Black — MS-10VC-BK
Ice White — MS-10VC-WE
Baby Leaf Green — MS-10VC-GN
Radish Red — MS-10VC-RD
Carrot Orange — MS-10VC-OE
Peppermint Blue — MS-10VC-BU

EXTRA LARGE DISPLAY · TAX · TWO WAY POWER · Time Calcu. · Key Rollover · Profit Margin % · Plastic Keys

Mini desk type **MS-10VC** 10 DIGITS



Sweet Pink — SL-300VC-PK
Aqua Blue — SL-300VC-BE
Fresh Yellow — SL-300VC-YW
Mystic Purple — SL-300VC-PL
Pure Black — SL-300VC-BK
Ice White — SL-300VC-WE
Baby Leaf Green — SL-300VC-GN
Radish Red — SL-300VC-RD
Carrot Orange — SL-300VC-OE
Peppermint Blue — SL-300VC-BU

EXTRA LARGE DISPLAY · TAX · TWO WAY POWER · Time Calcu. · Key Rollover · Profit Margin % · Plastic Keys

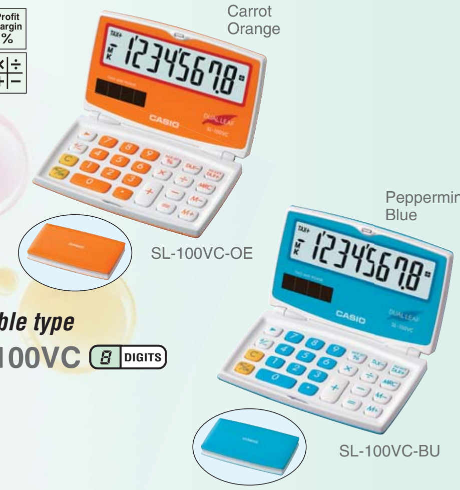
Portable type **SL-300VC** 8 DIGITS



Fresh Yellow — MS-6VC-YW
Radish Red — MS-6VC-RD
Peppermint Blue — MS-6VC-BU
Baby Leaf Green — MS-6VC-GN

LARGE DISPLAY · TAX · TWO WAY POWER · Profit Margin % · Key Rollover · Plastic Keys

Mini desk type **MS-6VC** 8 DIGITS



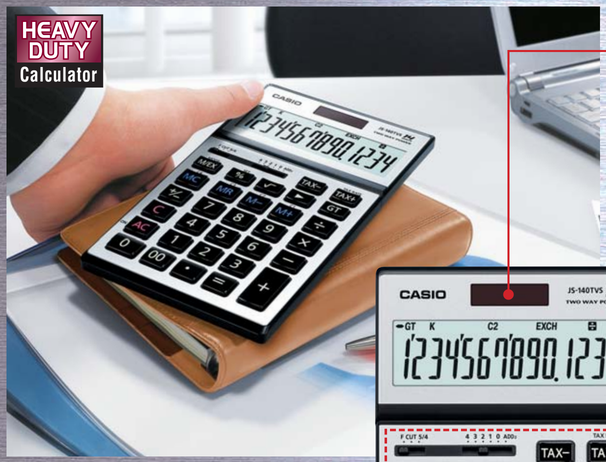
Carrot Orange — SL-100VC-OE
Peppermint Blue — SL-100VC-BU

LARGE DISPLAY · Profit Margin % · TWO WAY POWER · Key Rollover · TAX

Portable type **SL-100VC** 8 DIGITS

Designed and engineered for performance.

What makes a CASIO "HEAVY DUTY Calculator"?

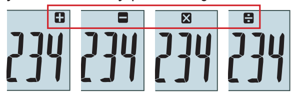




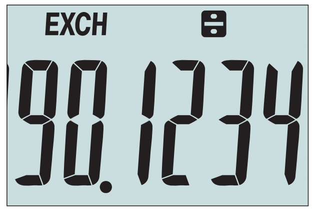
JS-140TVS

TWP (Two-Way Power)
Solar powered when light is sufficient, battery powered when light is insufficient.

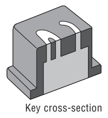
Function Command Signs
A symbol (+, −, ×, ÷) on the display indicates the status of the operation you are currently performing.



Extra Large Display
Larger display makes more data easier to read.



Heavy-duty Durable Keys
Keys are produced by injecting plastic of two different colours.
Key markings are plastic, which means they do not wear or fade with use.



*JS-140TVS/120TVS: Excluding the MEX, TAX- and TAX+ keys.

A tilt display with adjustable angle for ease of viewing
*JS-140TVS/120TVS only.

The tilt display ensures ease of viewing.



Silent Touch Keys
Keys are specially designed for silent operation when compared to previous CASIO calculators to help maintain a more pleasant working environment.

Key Rollover
Key operations are stored in a buffer so that nothing is lost even during high-speed input.

Key Layout and Key Cap Shape
Keys are ergonomically shaped and configured to match natural finger movements.



Large Rubber Feet
Large rubber feet on the bottom of the calculator keep it from slipping during operation.



A slim, flat body for excellent portability
*JS-140TVS/120TVS only.

This slim, flat calculator, just 10mm thick, rests comfortably in the hand and fits easily in a bag or briefcase.

* Photos show JS-140TVS calculator and display.

Desk-Top Type



HEAVY DUTY Calculator
DS-3V 14 DIGITS

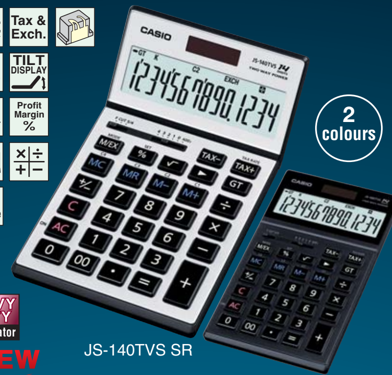


2 colours

HEAVY DUTY Calculator
DS-2TV GD
DS-1TV
NEW DS-2TV GD
DS-1TV GD
DS-2TV 12 DIGITS
DS-1TV 10 DIGITS

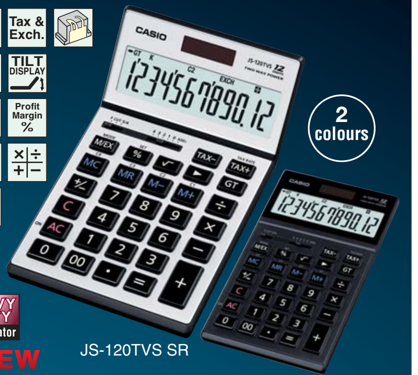
Compact Desk Type

These elegantly designed calculators feature a thin, highly portable body.



2 colours

HEAVY DUTY Calculator
NEW
JS-140TVS SR
JS-140TVS BK
JS-140TVS 14 DIGITS

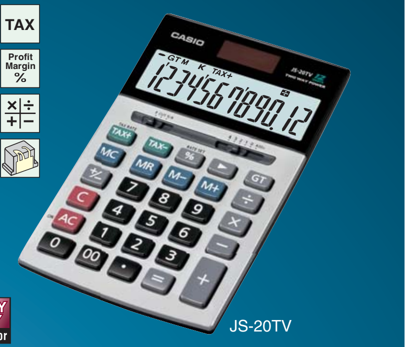


2 colours

HEAVY DUTY Calculator
NEW
JS-120TVS SR
JS-120TVS BK
JS-120TVS 12 DIGITS



HEAVY DUTY Calculator
JS-40V 14 DIGITS



HEAVY DUTY Calculator
JS-20TV
JS-20TV 12 DIGITS **JS-10TV** 10 DIGITS

Model	Digits	Independent memory	GT	%	Profit margin %	√	+/−	▶	3-digit comma markers	Time calcu-lation	Tax calcu-lation	Exchange calcu-lation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
DS-3V	14	○	○	○	○	○	○	○	○	○	—	—	○	○	○	0,1,2,3,4	○	Two-way power	47.8×148×186	290
DS-2TV	12	○	○	○	○	—	○	○	○	—	○	—	○	○	○	0,1,2,3,4	○	Two-way power	47.8×148×186	290
DS-1TV	10	○	○	○	○	—	○	○	○	—	○	—	○	○	○	0,1,2,3,4	○	Two-way power	47.8×148×186	290
JS-140TVS	14	○	○	○	○	○	○	○	○	—	○	○	○	○	—	0,1,2,3,4	○	Two-way power	10×107×179	205
JS-120TVS	12	○	○	○	○	○	○	○	○	—	○	○	○	○	—	0,1,2,3,4	○	Two-way power	10×107×179	205
JS-40V	14	○	○	○	○	○	○	○	○	○	—	—	○	○	—	0,1,2,3,4	○	Two-way power	24.2×107×174.5	195
JS-20TV	12	○	○	○	○	—	○	○	○	—	○	—	○	○	—	0,1,2,3,4	○	Two-way power	24.2×107×174.5	195
JS-10TV	10	○	○	○	○	—	○	○	○	—	○	—	○	○	—	0,1,2,3,4	○	Two-way power	24.2×107×174.5	195

Packed with special-purpose features.

Check Calculator



NEW
DJ-240D
DJ-240D 14 DIGITS
DJ-220D 12 DIGITS



NEW
DJ-120D 12 DIGITS



NEW
JJ-120D 12 DIGITS



NEW
MJ-120D
MJ-120D 12 DIGITS
MJ-100D 10 DIGITS

150 Steps Check

* The LCD examples are from a DJ-240D.

Review and Auto Review

150 STEPS CHECK — Review up to 150 calculation steps.

Example

123+456+ ··· −321=149765
Step 1 Step 2 Step 149 Step 150

AUTO REVIEW — Auto Review by pressing one single button!

Correct

CORRECT — Quick and easy step editing!

Double Check (DJ-240D / DJ-220D only)

ANS/CHECK — Compare the results of two calculations!

Answer Memory (DJ-240D / DJ-220D only)

ANS/CHECK — Recall a previous calculation result and use it in the next calculation!

Go To

GO TO — Go To feature instantly jumps to a specific step!

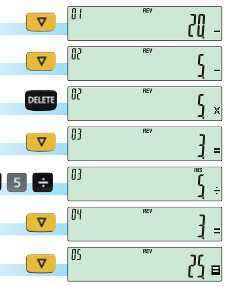
Insert / Delete (DJ-240D / DJ-220D only)

INSERT DELETE — Add steps to or delete steps from a calculation.

You can add steps to or delete steps from Calculation Memory. Note that if the number of steps in Calculation Memory exceeds 150, you will not be able to review them later.

Example

Current calculation: (20−5−5)×3=30
Revised calculation: (20−5)×5÷3=25



Localized Number Display

* The LCD examples are from a MJ-100D.

Supports local digit separator formats

Choose from three digit separator formats (Standard, European, and Indian) and choose a comma or period as the decimal point. Configure your preferred display format to prevent calculation errors and increase convenience.

Standard / European / Indian

One-touch switching between digit separator formats

Preselect two digit separator formats and switch between them according to the task.

DISP

Selectable top and bottom comma position

For ease of viewing, select the familiar bottom comma position used for handwritten numbers.

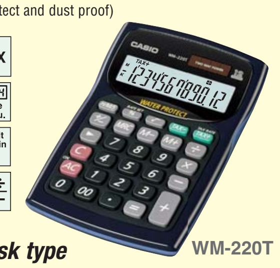
Water-protected and Dust-proof Calculator



Desk-Top type
WD-220T 12 DIGITS

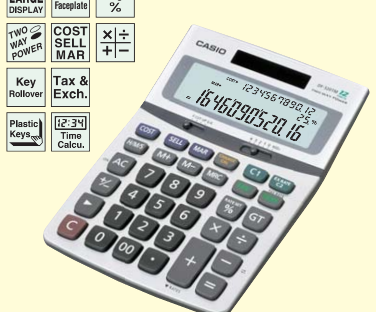
Durability and endurance for professional and general users

• Complies with IEC 60529 IP 54 (water protect and dust proof)

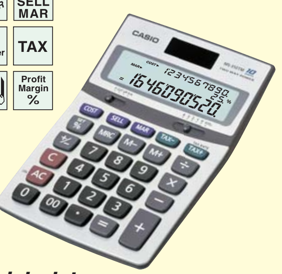


WM-220T
Mini desk type
WM-220T 12 DIGITS
WM-200T 10 DIGITS

3-Line Display Calculator



Desk-Top type
DF-320TM 12 DIGITS



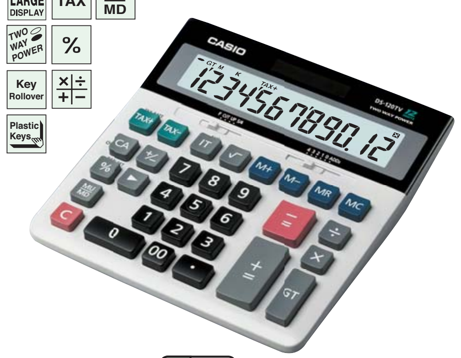
Mini desk type
MS-310TM 10 DIGITS

Model	Digits	Inde-pendent memory	Cost/Sell/Margin	GT	%	Profit margin %	MU	√	+/−	▶	3-digit comma markers	Time calcu-lation	Tax calcu-lation	Exchange calcu-lation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Others
DJ-240D/220D	14/12	○	—	○	○	○	—	○	○	○	○	—	○	—	○	○	○	0,1,2,3,4	○	Two-way power	38×146×219	285	150 STEPS CHECK & Localized Number Display
DJ-120D	12	○	—	○	○	—	○	○	○	○	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	35×140×191	205	150 STEPS CHECK & Localized Number Display
JJ-120D	12	○	—	○	○	—	○	○	○	○	○	—	—	—	○	○	—	0,1,2,3,4	○	Two-way power	25.2×107×178.5	140	150 STEPS CHECK & Localized Number Display
MJ-120D/100D	12/10	○	—	—	○	—	○	○	○	○	○	—	○	—	—	—	—	—	—	Two-way power	30.1×123×140	130	150 STEPS CHECK & Localized Number Display
WD-220T	12	○	—	○	○	○	—	○	○	○	○	○	○	—	—	—	—	—	—	Two-way power	34×139×187.5	255	—
WM-220T/200T	12/10	○	—	—	○	○	—	○	○	○	○	○	○	—	—	—	—	—	—	Two-way power	34.6×104×153.5	135	—
DF-320TM	12	○	○	○	○	○	—	—	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	32.3×124×179.5	200	—
MS-310TM	10	○	○	—	○	○	—	—	○	—	○	—	○	—	○	○	○	0,1,2,3,4	○	Two-way power	30×103×156	120	—

Desk-Top Type

Adding Machine

EXTRA LARGE DISPLAY · TAX · MU MD · TWO WAY POWER · % · Key Rollover · ×÷+− · Plastic Keys



DS-120TV 12 DIGITS

EXTRA LARGE DISPLAY · TAX · TWO WAY POWER · Profit Margin % · Key Rollover · Plastic Keys



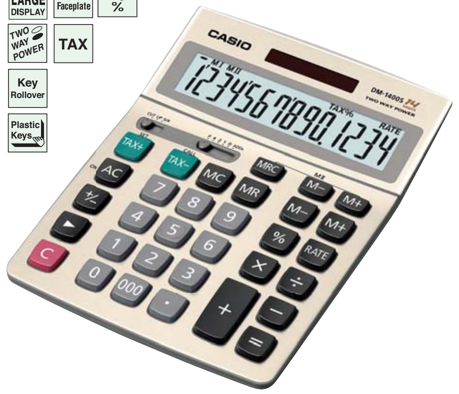
DM-1200S 12 DIGITS

EXTRA LARGE DISPLAY · Metal Faceplate · TWO WAY POWER · TAX · Key Rollover · Profit Margin % · Plastic Keys



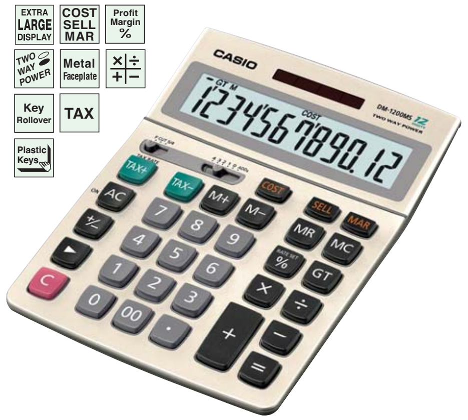
DM-1600S 16 DIGITS

EXTRA LARGE DISPLAY · Metal Faceplate · Profit Margin % · TWO WAY POWER · TAX · Key Rollover · Plastic Keys



DM-1400S 14 DIGITS

EXTRA LARGE DISPLAY · COST SELL MAR · Profit Margin % · TWO WAY POWER · Metal Faceplate · ×÷+− · Key Rollover · TAX · Plastic Keys



DM-1200MS 12 DIGITS

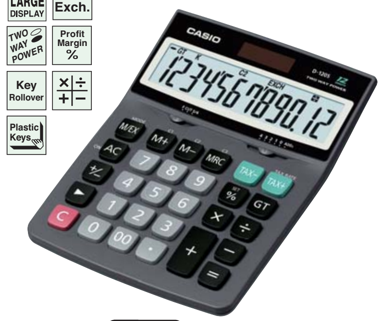
EXTRA LARGE DISPLAY · % · TWO WAY POWER · MU · Key Rollover · Plastic Keys



D-60L

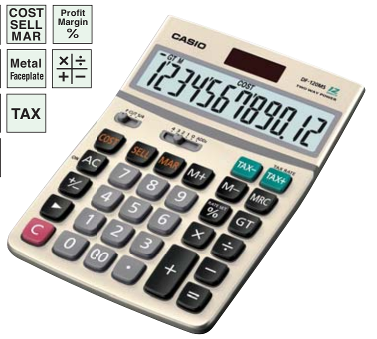
D-60L 16 DIGITS
D-40L 14 DIGITS
D-20L 12 DIGITS

EXTRA LARGE DISPLAY · Tax & Exch. · TWO WAY POWER · Profit Margin % · Key Rollover · ×÷+− · Plastic Keys



D-120S 12 DIGITS

EXTRA LARGE DISPLAY · COST SELL MAR · Profit Margin % · TWO WAY POWER · Metal Faceplate · ×÷+− · Key Rollover · TAX · Plastic Keys



DF-120MS 12 DIGITS

EXTRA LARGE DISPLAY · Metal Faceplate · Profit Margin % · TWO WAY POWER · TAX · ×÷+− · Key Rollover · TILT DISPLAY · Plastic Keys · COST SELL MAR



Adjustable Tilt Display



Freely adjustable display angle

DW-120MS 12 DIGITS

Easy calculation of cost, selling price and margin. DM-1200MS / DF-120MS / DW-120MS / JF-120MS / JW-120MS / MS-120MS / MS-100MS

COST SELL MAR

Cost

What is the cost of an item that sells for $150 after a 30% margin is added?

Step	Key operation	Display
1	AC 150 SELL	SELL 150.
2	30 MAR	MAR % 30.
3	MAR	MAR 45.
4	COST	COST 105.

Selling Price

What would the selling price be for an item that costs $120 after a 40% margin is added?

Step	Key operation	Display
1	AC 120 COST	COST 120.
2	40 MAR	MAR % 40.
3	MAR	MAR 80.
4	SELL	SELL 200.

Margin

What is the margin on an item that costs $1,000 and sells for $2,000?

Step	Key operation	Display
1	AC 1 00 0 COST	COST 1'000.
2	2 00 0 SELL	SELL 2'000.
3	MAR	MAR % 50.

Model	Digits	Adding machine	Independent memory	Cost/ Sell/ Margin	GT	%	Profit margin %	MU	MD	√	+/–	▶	3-digit comma markers	Time calcu-lation	Tax calcu-lation	Exchange calcu-lation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
DS-120TV	12	○	○	—	○	○	—	○	○	○	○	○	○	—	○	—	○	○	○	0,1,2,3,4	○	Two-way power	40.9×184×186	300
DM-1200S	12	—	2	—	—	○	○	—	—	—	○	○	○	—	○	—	○	○	○	0,1,2,4	○	Two-way power	34.5×155×210	230
DM-1600S	16	—	2	—	—	○	○	—	—	—	○	○	○	—	○	—	○	○	○	0,1,2,4	○	Two-way power	35.5×155×210	270
DM-1400S	14	—	2	—	—	○	○	—	—	—	○	○	○	—	○	—	○	○	○	0,1,2,4	○	Two-way power	35.5×155×210	270
DM-1200MS	12	—	○	○	○	○	○	—	—	—	○	○	○	—	○	—	○	○	—	0,1,2,3,4	○	Two-way power	35.5×155×210	265
D-60L	16	—	○	—	—	○	—	○	—	○	○	○	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	32×151×158	195
D-40L	14	—	○	—	○	○	—	○	—	○	○	○	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	32×151×158	195
D-20L	12	—	○	—	○	○	—	○	—	○	○	○	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	32×151×158	195
D-120S	12	—	○	—	○	○	○	—	—	—	○	○	○	—	○	○	○	○	—	0,1,2,3,4	○	Two-way power	35×126×175	170
DF-120MS	12	—	○	○	○	○	○	—	—	—	○	○	○	—	○	—	○	○	—	0,1,2,3,4	○	Two-way power	35.7×122.5×174.5	180
DW-120MS	12	—	○	○	○	○	○	—	—	—	○	○	○	—	○	—	○	○	—	0,1,2,3,4	○	Two-way power	32.7×122.5×177.5	195

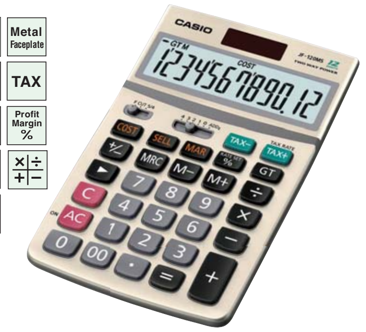
Compact Desk Type

EXTRA LARGE DISPLAY · Profit Margin % · TWO WAY POWER · ×÷+− · Key Rollover · Plastic Keys · Tax & Exch.



J-120S 12 DIGITS

EXTRA LARGE DISPLAY · Metal Faceplate · TWO WAY POWER · TAX · Key Rollover · Profit Margin % · Plastic Keys · ×÷+− · COST SELL MAR



JF-120MS 12 DIGITS

EXTRA LARGE DISPLAY · Metal Faceplate · ×÷+− · TWO WAY POWER · TAX · Key Rollover · TILT DISPLAY · Plastic Keys · Profit Margin % · COST SELL MAR



Adjustable Tilt Display



Freely adjustable display angle

JW-120MS 12 DIGITS

Mini Desk Type

EXTRA LARGE DISPLAY · 12:34 Time Calcu. · TWO WAY POWER · Profit Margin % · Key Rollover · ×÷+− · Plastic Keys



MS-470V 14 DIGITS

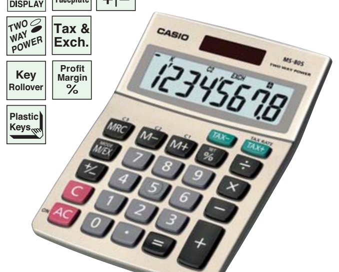
EXTRA LARGE DISPLAY · COST SELL MAR · ×÷+− · TWO WAY POWER · Metal Faceplate · Key Rollover · TAX · Plastic Keys · Profit Margin %



MS-120MS

MS-120MS 12 DIGITS
MS-100MS 10 DIGITS

EXTRA LARGE DISPLAY · Metal Faceplate · ×÷+− · TWO WAY POWER · Tax & Exch. · Key Rollover · Profit Margin % · Plastic Keys



MS-80S 8 DIGITS

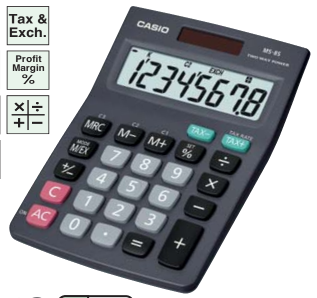
EXTRA LARGE DISPLAY · Tax & Exch. · TWO WAY POWER · Profit Margin % · Key Rollover · ×÷+− · Plastic Keys



MS-20S

MS-20S 12 DIGITS
MS-10S 10 DIGITS

EXTRA LARGE DISPLAY · Tax & Exch. · TWO WAY POWER · Profit Margin % · Key Rollover · ×÷+− · Plastic Keys



MS-8S 8 DIGITS

EXTRA LARGE DISPLAY · TAX · TWO WAY POWER · 12:34 Time Calcu. · Key Rollover · Profit Margin % · Plastic Keys · ×÷+−



MS-270TV

MS-270TV 12 DIGITS
MS-170TV 10 DIGITS

EXTRA LARGE DISPLAY · TAX · TWO WAY POWER · 12:34 Time Calcu. · Key Rollover · Profit Margin % · Plastic Keys · ×÷+−



MS-7TV 8 DIGITS

EXTRA LARGE DISPLAY · Plastic Keys · % · AA SIZE ×1



BK (Black) WE (White)

MW-8V 8 DIGITS

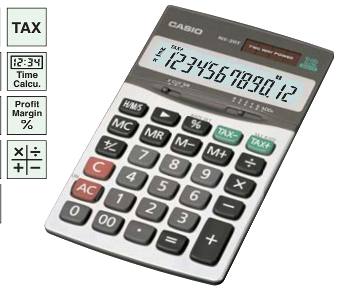
LARGE DISPLAY · Plastic Keys · % · AA SIZE ×1



BK (Black) WE (White)

MW-5V 8 DIGITS

LARGE DISPLAY · TAX · TWO WAY POWER · 12:34 Time Calcu. · Key Rollover · Profit Margin % · Plastic Keys · ×÷+− · Metal Faceplate

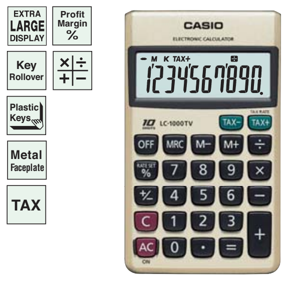


NS-20T 12 DIGITS

Model	Digits	Independent memory	Cost/ Sell/ Margin	GT	%	Profit margin %	√	+/–	▶	3-digit comma markers	Time calcu-lation	Tax calcu-lation	Exchange calcu-lation	5/4	Cut	Decimal selector	ADD mode	Power supply	Approximate battery life (years)	Dimensions H×W×D (mm)	Approximate weight (g)
J-120S	12	○	—	○	○	○	—	○	○	○	—	○	○	○	○	0,1,2,3,4	○	Two-way power	—	25×107×176	145
JF-120MS	12	○	○	○	○	○	—	○	○	○	—	○	—	○	○	0,1,2,3,4	○	Two-way power	—	26.3×107×173	155
JW-120MS	12	○	○	○	○	○	—	○	○	○	—	○	—	○	○	0,1,2,3,4	○	Two-way power	—	26.1×107×178.5	170
MS-470V	14	○	—	○	○	○	○	○	○	○	○	—	—	○	○	0,1,2,3,4	○	Two-way power	—	30.4×111×142.5	125
MS-120MS/100MS	12/10	○	○	—	○	○	—	○	—	○	—	○	—	—	—	—	—	Two-way power	—	30.7×103×145	120
MS-80S	8	○	—	—	○	○	—	○	—	○	—	○	○	—	—	—	—	Two-way power	—	30.7×103×145	120
MS-20S/10S	12/10	○	—	—	○	○	—	○	—	○	—	○	○	—	—	—	—	Two-way power	—	31.7×103×145	100
MS-8S	8	○	—	—	○	○	—	○	—	○	—	○	○	—	—	—	—	Two-way power	—	31.7×103×145	100
MS-270TV/170TV	12/10	○	—	—	○	○	○	○	○	○	○	○	—	○	○	0,1,2,3,4	○	Two-way power	—	30.4×111×142.5	125
MS-7TV	8	○	—	—	○	○	○	○	○	○	○	○	—	—	—	—	—	Two-way power	—	30.4×111×142.5	120
MW-8V	8	○	—	—	○	—	○	○	—	○	—	—	—	—	—	—	—	AA (LR6 or R6P)×1	2	28.8×103×145	120
MW-5V	8	○	—	—	○	—	○	○	—	○	—	—	—	—	—	—	—	AA (LR6 or R6P)×1	2	25.1×84×118	85
NS-20T	12	○	—	—	○	○	—	○	○	○	○	○	—	○	○	0,1,2,3,4	○	Two-way power	—	10.7×87×145	90

R6P=UM-3

Portable Type



LC-1000TV 10 DIGITS



BK (Black)



WE (White)

LC-401LV 8 DIGITS



LC-403TV 8 DIGITS



BK (Black)



WE (White)

LC-160LV 8 DIGITS



SL-340VA 14 DIGITS



SL-320TV

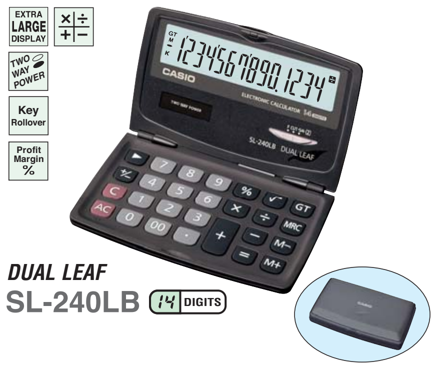
SL-320TV 12 DIGITS
SL-315TV 10 DIGITS



SL-300TV 8 DIGITS



SL-300LV 8 DIGITS



DUAL LEAF
SL-240LB 14 DIGITS



SL-220TE

DUAL LEAF
SL-220TE 12 DIGITS
SL-210TE 10 DIGITS
SL-200TE 8 DIGITS



DUAL LEAF
SL-100L 8 DIGITS

Model	Digits	Independent memory	GT	%	Profit margin %	√	+/–	▶	3-digit comma markers	Time calcu-lation	Tax calcu-lation	Exchange calcu-lation	5/4	Cut	Decimal selector	Power supply	Approximate battery life (hours)	Dimensions H×W×D (mm)	Approximate weight (g)	Case
LC-1000TV	10	○	—	○	○	—	○	—	○	—	○	—	—	—	—	LR54×1	5,500	7.5×70×118.5	50	Wallet
LC-401LV	8	○	—	○	—	○	○	—	○	—	—	—	—	—	—	LR54×1	4,500	Ⓕ10.7×75×120 Ⓤ7.3×151.5×120	70	Hard
LC-403TV	8	○	—	○	○	—	○	—	○	—	○	—	—	—	—	LR54×1	7,500	7.5×70×118.5	50	Wallet
LC-160LV	8	○	—	○	—	○	—	—	○	—	—	—	—	—	—	LR54×1	6,500	Ⓕ10×87×58 Ⓤ8×87×117.5	35	Hard
SL-340VA	14	○	—	○	○	—	○	○	○	○	—	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-320TV	12	○	—	○	○	—	○	—	○	○	○	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-315TV	10	○	—	○	○	—	○	—	○	○	○	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-300TV	8	○	—	○	○	—	○	—	○	—	○	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-300LV	8	○	—	○	—	○	○	—	○	—	—	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-240LB	14	○	○	○	○	○	○	○	○	—	—	—	○	○	2	Two-way power	—	Ⓕ12.5×120×73 Ⓤ6.5×120×141	76	—
SL-220TE	12	○	—	○	○	—	○	—	○	—	○	○	○	○	2	Two-way power	—	Ⓕ12.5×120×73 Ⓤ6.5×120×141	76	—
SL-210TE	10	○	—	○	○	—	○	—	○	—	○	○	○	○	2	Two-way power	—	Ⓕ12.5×120×73 Ⓤ6.5×120×141	75.5	—
SL-200TE	8	○	—	○	○	—	○	—	○	—	○	○	—	—	—	Two-way power	—	Ⓕ12.5×120×73 Ⓤ6.5×120×141	76	—
SL-100L	8	○	—	○	—	○	○	—	○	—	—	—	—	—	—	Two-way power	—	Ⓕ13.5×91×55 Ⓤ9.4×91×110.5	55	—

LR54=LR1130
ⒻFolded ⓊUnfolded

Portable Type



GD (Gold)
BK (Black)

SL-797TV 8 DIGITS



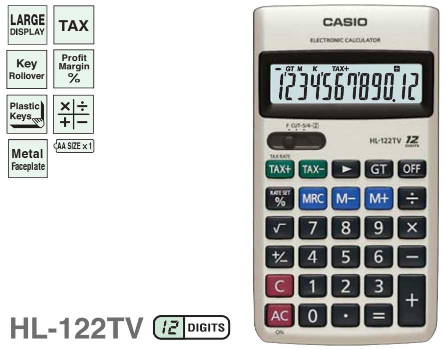
GD (Gold)
BK (Black)

SL-787TV 8 DIGITS



GDB (Gold)
BK (Black)

SL-760LB 8 DIGITS



HL-122TV 12 DIGITS



HL-100LB 10 DIGITS



HL-820VA 8 DIGITS



BK (Black)
WE (White)

HL-820LV 8 DIGITS

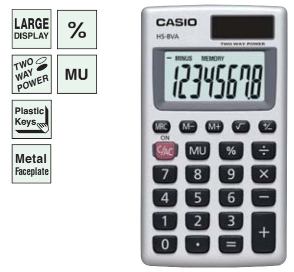


BK (Black)
WE (White)

HL-815L 8 DIGITS



HL-4A 8 DIGITS



HS-8VA 8 DIGITS



HS-8LV 8 DIGITS
BK (Black)
WE (White)

Model	Digits	Independent memory	GT	%	Profit margin %	MU	√	+/–	▶	3-digit comma markers	Tax calcu-lation	Exchange calcu-lation	5/4	Cut	Decimal selector	Power supply	Approximate battery life (hours)	Dimensions H×W×D (mm)	Approximate weight (g)	Case
SL-797TV	8	○	—	○	○	—	—	—	—	○	○	○	—	—	—	Two-way power	—	6.9×57×102	35	Wallet
SL-787TV	8	○	—	○	○	—	—	—	—	○	○	○	—	—	—	Two-way power	—	6.3×91.5×58	30	Wallet
SL-760LB	8	○	—	○	○	—	○	—	—	○	—	—	—	—	—	Solar	—	2.9×85.5×54	15	Soft
HL-122TV	12	○	○	○	○	—	○	○	○	○	○	—	○	○	2	AA (LR6 or R6P)×1	17,500	19.5×77×141	115	Soft
HL-100LB	10	○	—	○	—	—	○	—	—	○	—	—	—	—	—	AA (LR6 or R6P)×1	2 yrs.	18×69.5×118	65	—
HL-820VA	8	○	—	○	—	—	○	—	—	○	—	—	—	—	—	LR54×1	2 yrs.	6.9×57×102	35	Wallet
HL-820LV	8	○	—	○	—	—	○	—	—	○	—	—	—	—	—	LR54×1	6,500	Ⓕ10×62.5×104 Ⓤ7.5×127×104	45	Hard
HL-815L	8	○	—	○	—	—	○	—	—	○	—	—	—	—	—	AA (LR6 or R6P)×1	2 yrs.	18×69.5×118	65	—
HL-4A	8	○	—	○	—	—	○	○	—	—	—	—	—	—	—	LR54×1	6,500	8.8×56×87	25	—
HS-8VA	8	○	—	○	—	○	○	○	—	—	—	—	—	—	—	Two-way power	—	6.9×57×102	35	Wallet
HS-8LV	8	○	—	○	—	—	○	○	—	○	—	—	—	—	—	Two-way power	—	6.7×57×102	35	Wallet

LR54=LR1130
LR6=AM3, R6P=UM-3
Ⓕ Folded ⓊUnfolded

Value Series

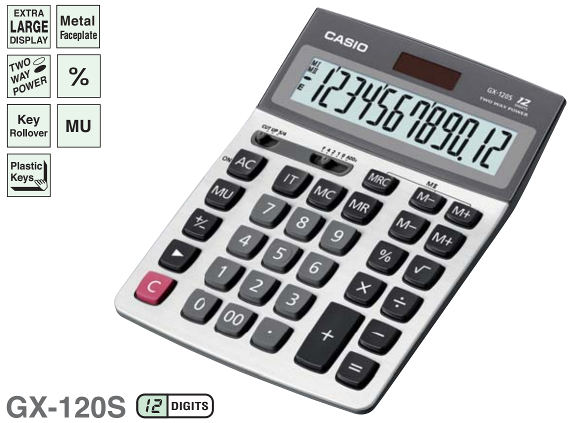
Desk-Top Type



GX-16S 16 DIGITS



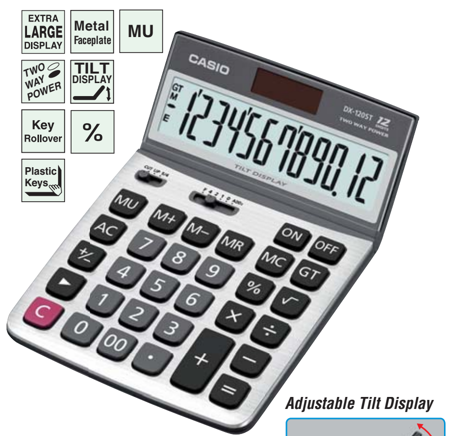
GX-14S 14 DIGITS



GX-120S 12 DIGITS



GX-12S 12 DIGITS



Adjustable Tilt Display



Freely adjustable display angle

DX-120ST 12 DIGITS



DX-120S 12 DIGITS

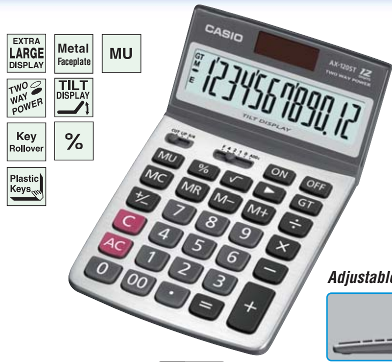


DX-12S 12 DIGITS

Model	Digits	Independent memory	GT	%	MU	√	+/–	▶	3-digit comma markers	Item counter	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
GX-16S	16	2	—	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	34.5×155×210	230
GX-14S	14	2	—	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	34.5×155×210	230
GX-120S	12	2	—	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	35.5×155×210	260
GX-12S	12	2	—	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	34.5×155×210	230
DX-120ST	12	○	○	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	32.7×122.5×177.5	195
DX-120S	12	○	○	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	36×126×175	190
DX-12S	12	○	○	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	35×126×175	170

Value Series

Compact Desk Type



AX-120ST 12 DIGITS

Adjustable Tilt Display



Freely adjustable display angle

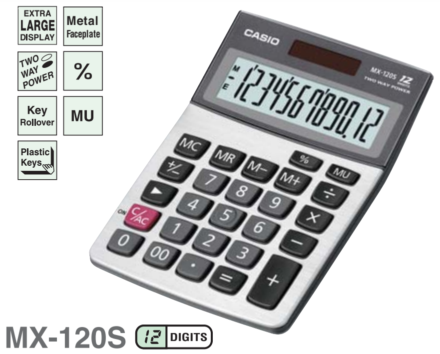


AX-120S 12 DIGITS



AX-12S 12 DIGITS

Mini Desk Type



MX-120S 12 DIGITS

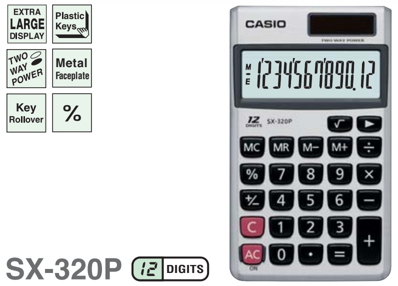


MX-12S 12 DIGITS

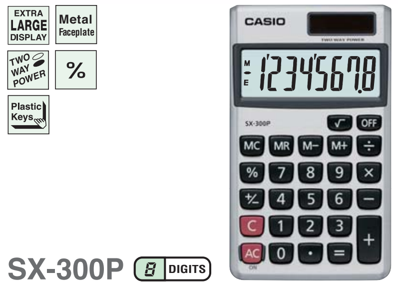


MX-8S 8 DIGITS

Portable Type



SX-320P 12 DIGITS



SX-300P 8 DIGITS



SX-300 8 DIGITS



DUAL LEAF
SX-220 12 DIGITS



DUAL LEAF
SX-100 8 DIGITS

Model	Digits	Independent memory	GT	%	MU	√	+/–	▶	3-digit comma markers	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case
AX-120ST	12	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	26.1×107×178.5	170	—
AX-120S	12	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	29.3×107×175.5	165	—
AX-12S	12	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	25×107×176	145	—
MX-120S	12	○	—	○	○	—	○	○	○	—	—	—	—	—	Two-way power	30.7×103×145	120	—
MX-12S	12	○	—	○	○	—	○	○	○	—	—	—	—	—	Two-way power	31.7×103×145	100	—
MX-8S	8	○	—	○	○	○	○	—	○	—	—	—	—	—	Two-way power	31.7×103×145	100	—
SX-320P	12	○	—	○	—	○	○	○	○	—	—	—	—	—	Two-way power	7.5×70×118.5	50	Wallet
SX-300P	8	○	—	○	—	○	○	—	○	—	—	—	—	—	Two-way power	7.5×70×118.5	50	Wallet
SX-300	8	○	—	○	—	○	○	—	○	—	—	—	—	—	Two-way power	7.5×70×118.5	50	Wallet
SX-220	12	○	○	○	—	○	○	○	○	—	—	—	—	—	Two-way power	Ⓕ12.5×120×73 Ⓤ6.5×120×141	80	—
SX-100	8	○	—	○	—	○	○	—	○	—	—	—	—	—	Two-way power	Ⓕ13.5×91×55 Ⓤ9.4×91×110.5	55	—

ⒻFolded ⓊUnfolded



PRINTING CALCULATORS

Printouts of results along with each calculation step can be attached to documents

Mini-printer



BK (Cool Black)

GY (Light Gray)

RD (Red)

HR-8TM 12 DIGITS

Compact Type



HR-100TM 12 DIGITS



HR-150TM 12 DIGITS

Heavy-duty Type



DR-210TM 12 DIGITS



DR-240TM 14 DIGITS



Prints the current time and date

DR-270TM 12 DIGITS

Desk-Top Type



FR-2650T 12 DIGITS



BK (Black)

WE (White)

DR-120TM 12 DIGITS



DR-140TM 14 DIGITS

Thermal Printer

Quick (approximately 8 lines/sec.) and quiet



DR-T120 12 DIGITS



DR-T140 14 DIGITS



DR-T220 12 DIGITS

*Supplies extremely limited

Main Functions

Cost, Selling Price and Margin Calculations

(HR-8TM/HR-100TM/HR-150TM/DR-120TM/ DR-140TM/DR-210TM/DR-240TM/DR-270TM)

Perform the operations shown to the right to calculate cost, selling price, and margin.

Exchange Functions

(HR-8TM/HR-100TM/HR-150TM)

Current rates for converting between U.S. dollars and up to three national currencies by simply pressing corresponding button. A simple operation also converts between national currencies, with intermediate conversion to U.S. dollars.

Tax Calculations (Excluding Thermal Printer)

Set the rate you want for easy calculation of amount plus tax, amount less tax, and tax amount.

Printing Sample

Cost

What is the cost of an item that sells for $150 after a 30% margin is added?

Step	Key operation	Display
❶	CA 150 SELL	150.
❷	30 MAR	105.
❸	MAR	45.
	COST	105.

```
••0••CA

150•S*   ← ❶Selling price
 30•M%   ← ❷Margin (%)
105•C◊   ← Cost

 30•M%   ← ❸Margin (%)
 45•MT   ← Margin amount
```

Selling Price

What would the selling price be for an item that costs $120 after a 40% margin is added?

Step	Key operation	Display
❶	CA 120 COST	120.
❷	40 MAR	200.
❸	MAR	80.
	SELL	200.

```
••0••CA

120•C◊   ← ❶Cost
 40•M%   ← ❷Margin (%)
200•S*   ← Selling price

 40•M%   ← ❸Margin (%)
 80•MT   ← Margin amount
```

Margin

What is the margin on an item that costs $1,000 and sells for $2,000?

Step	Key operation	Display
❶	CA 1000 COST	1'000.
❷	2000 SELL	50.

```
••0••CA

1,000•C◊   ← ❶Cost
2,000•S*   ← ❷Selling price
   50•M%   ← Margin (%)
```

*Print sample: DR-120TM

Model	Display	Digits	Simple algebraic logic	Adding machine	Sub-total/ Total	GT	Inde-pendent memory	Cost/ Sell/ Margin	%	Profit margin %	MU/ MD	+/–	▶	3-digit comma markers	2-colour printing	Tax calcu-lation	Exchange calcu-lation	Item counter	5/4	Cut	Up	Decimal selector	ADD mode	Power supply: Battery	Power supply: AC adaptor	Ink-roll/ Ink ribbon	Paper width (mm)	Print speed (lines/s)	Dimensions H×W×D (mm)	Approximate weight	Others
HR-8TM	LCD	12	○	—	—	—	○	○	○	○	—	—	—	○	—	○	○	—	○	—	—	0,2	—	AA×4	AD-A60024	IR-40	58	1.6*1	41.1×99×196	340g	Function command signs, Auto power off function
HR-100TM	LCD	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	—	0,2,3	○	AA×4	AD-A60024	IR-40T	58	2.0*1	67×165.5×285	520g	Average calculation
HR-150TM	LCD	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	—	0,2,3	○	AA×4	AD-A60024	IR-40T	58	2.4*1	67.4×196×317	700g	Average calculation
FR-2650T	Digitron	12	—	○	○	○	○	—	○	—	○	—	—	○	○	○	—	○	○	○	—	0,2,3,4	○	—	AC only	IR-40T	58	2.4*1	70×206×335	1.1kg	—
DR-120TM	Digitron	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	○	○	○	0–6	○	—	AC only	RB-02	58	3.5*2	109.3×214.5×382	1.7kg	Average calculation
DR-140TM	Digitron	14	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	○	○	○	0–6	○	—	AC only	RB-02	58	3.5*2	109.3×214.5×382	1.7kg	Average calculation, 000
DR-210TM	Digitron	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	○	○	○	0–6	○	—	AC only	RB-02	58	4.4*2	109.3×214.5×382	1.7kg	Data print function
DR-240TM	Digitron	14	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	○	○	○	0–6	○	—	AC only	RB-02	58	4.4*2	109.3×214.5×382	1.7kg	Data print function, 000
DR-270TM	Digitron	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	○	○	○	0–6	○	—	AC only	RB-02	58	4.8*2	109.3×214.5×382	1.9kg	Clock & Calendar

*1 Average speeds of 3-position shift max. & min. speed patterns. *2 Average speed at feed.

Model	Digits	Independent memory	Date/ time display	%	MU/ MD	Constant calculation	Total and grand total	Repeat addition, subtraction, ADD mode	Item counter	00 key 000 key	3-digit separator display	3-digit separator printing	Auto power off	Cut off / Round off	Paper width (mm)	Print speed (lines/s)	Per character print size (mm)	Variable print font	Memory print	Calculation check	Power Supply	Dimensions H × W × D (mm) Weight (kg) (excluding battery)
DR-T120	12	○	○	○	○	○	○	○	○	00	○	○	No (30-minute auto return to timekeeping)	○	58	8.0*3	Font - B	—	—	—	AC only (built-in backup battery)	91×340×213, 1.7
DR-T140	14	○	○	○	○	○	○	○	○	000	○	○		○	58	8.0*3	Font - B	—	—	—		91×340×213, 1.7
DR-T220	12	○	○	○	○	○	○	○	○	00	○	○		○	58	8.0*3	Font - B, A(2.832), C(3.499)	○	○	○		91×340×213, 1.7

*3 Average speed of half line among the printout digits.

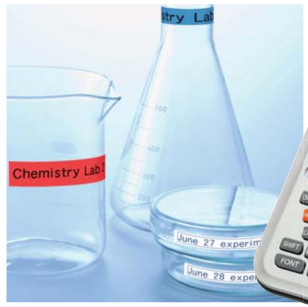
LABEL PRINTERS

EZ-Label Printer LABEL IT!




Plant facilities


Office


Schools & laboratories


KL-7400

A Business Label Printer for Use in Every Office and Industry


Construction sites


Stores & markets


Schools

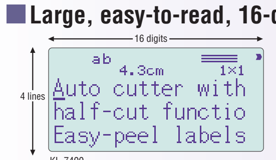

KL-820

KL-7400/820

Handles 24,18,12, 9 and 6mm tape widths. ** 12mm print head/200dpi resolution*



Large, easy-to-read, 16-digit, 4-line LCD ** 3-line input area*



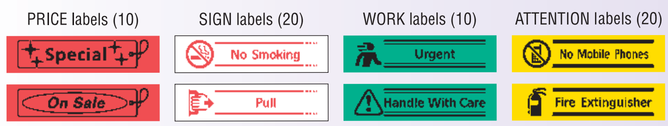
KL-7400



KL-820

Designed Logo printing

A selection of 60 complete built-in label designs combining frequently used words with illustrations.



** Available in 6 languages (English/Spanish/French/German/Italian/Swedish)*

5 installed fonts



Sans-serif | Sans-serif italic | Sans-serif rounded | Roman | Roman italic

Print preview



KL-7400 KL-820

Barcode printing

Prints barcodes for efficient merchandise control.

4971850185123

KL-7400 Only

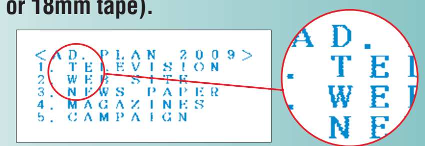
Auto cutter with half-cut function.

A built-in auto cutter with half-cut function slits only the label for easy removal from the backing paper. This comes in handy when printing large numbers of labels or using the consecutive number printing function.


Easy-peel labels



Prints up to 6 lines (24 or 18mm tape).



519 illustrations and symbols

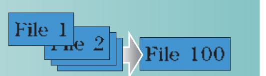
Over 500 built-in illustrations and symbols make expressive, eye-catching label-making easy.



Numbering

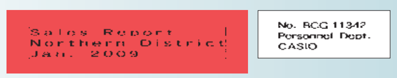
The consecutive number printing function comes in handy when you're producing large numbers of labels.

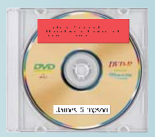
**Numbering from 0 to 99,999 *You can print up to 100 numbered labels per print operation.*



KL-820 Only

Prints up to 3 lines (24 or 18mm tape).

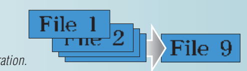




Numbering

The consecutive number printing function comes in handy.

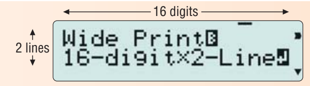
**Numbering from 0 to 999 *You can print up to 9 numbered labels per print operation.*



Handy home model for organizing your home!


KL-120

- Large 16-digit, 2-line LCD



- Handles 18, 12, 9 and 6mm tape widths.
- 12mm print head/200dpi resolution
- Prints up to 2 lines (18 or 12mm tape).
- Print preview
- 3 character effects



Shading | Underline | Box

Personal model with basic functions!


KL-60

- 4-digit, 1-line LCD



- Handles 12, 9 and 6mm tape widths.
- 5mm print head/160 dpi resolution
- Prints up to 2 lines (12 or 9mm tape)
- 3 character effects

The portable, easy-to-use Chinese label printer (支持中英文)


KL-170 PLUS

- Five Chinese input methods
  Beijing Pin-yin, Canton Pin-yin, Zhu-yin, Chang-ji, Simplified Chang-ji
- Chinese and English fonts built in
  圓體,黑體,明體, Logo style, Stencil
- 4-digit, 1-line LCD
- Handles 18, 12, 9 and 6mm tape widths.
- Prints up to 2 lines (18 or 12mm tape).
- 6 character sizes



- 405 special characters built in





Label Printer Specifications

Model		KL-7400	KL-820	KL-120	KL-60	KL-170 PLUS
Keyboard layout		QWERTY	QWERTY	QWERTY	QWERTY	QWERTY
Display	LCD	128 x 64 dots	95 x 32 dots	96 x 16 dots	5 x 7 dots + cursor	64×16 dots
	Display (input data)	16 digits x 3 lines	16 digits x 3 lines	16 digits x 2 lines	4 digits x 1 line	4 digits x 1 line
Usable tape widths (mm)		24 / 18 / 12 / 9 / 6	24 / 18 / 12 / 9 / 6	18 / 12 / 9 / 6	12 / 9 / 6	18 / 12 / 9 / 6
Printing resolution		200 dpi / 96 dots	200 dpi / 96 dots	200 dpi / 96 dots	160 dpi / 32 dots	200dpi / 64 dots
Unit of length switching		cm / inches	cm / inches	cm / inches	—	—
Printing speed (mm/sec.)		10	6	6	11.6	6
Maximum printing height (mm)		12	12	12	5	8
Maximum printing lines		6	3	2	2	2
Fonts		Sans-serif / Sans-serif italic / Sans-serif rounded / Roman / Roman italic	Sans-serif / Sans-serif italic / Sans-serif rounded / Roman / Roman italic	Sans-serif	Sans-serif	圓體, 黑體, 明體, Logo style, Stencil
Character styles		Normal / Bold / Outline / Shadow / Raised	Normal / Bold / Outline / Shadow / Raised	Normal / Bold / Outline	Normal	Normal / Outline
Character effects		Shading / Underline / Box	Shading / Underline / Box	Shading / Underline / Box	Shading / Underline / Box	Box
Built-in character types		680	248	248	207	8,841
Alphanumeric characters		62	62	62	62	62
Illustrations		124	—	—	—	212
Special characters / symbols		395	87	87	46	193
Countries' characters		99	99	99	99	8,374
Auto cutter with half-cut function		○	—	—	—	—
Frame printing		65	65	—	—	85
Layouts according to use		24	24	18	—	33
Mirror printing		○	○	○	○	○
Printing direction		Horizontal / Vertical	Horizontal / Vertical	Horizontal	Horizontal	Horizontal / Vertical
Printing number setting		100	9	9	—	—
Design logos		60	60	—	—	—
Numbering		○	○	—	—	—
Barcode printing		○	○	—	—	—
Languages supported		14*1	14*1	14*1	14*1	2*2
Message switching		6 languages*3	6 languages*3	5 languages*4	English only	Chinese only
Print job memories		127 characters x 10	100 characters / Layout / Numbering / Barcode x 10 each	80 characters x 2	63 characters x 1	63 characters x 1
Auto power off		○	○	○	○	○
Maximum characters per input data		127	100	80	63	63
Power supply		AC adaptor*5(included) or8 x AA-size alkaline(LR6) batteries(sold separately)	AC adaptor*5 (optional) or 6 x AA-size alkaline (LR6) batteries (sold separately)	6 x AA-size alkaline (LR6) batteries (sold separately)	6 x AA-size alkaline (LR6) batteries (sold separately)	6 x AA-size alkaline (LR6) batteries (sold separately)
Approximate battery life*6		2 tape cartridges	4 tape cartridges	4 tape cartridges	10 tape cartridges	4 tape cartridges
Dimensions*7: H x W x D (mm)		64.5 x 202 x 216	52.5 x 167 x 223	54.5 x 189 x 115	51.5 x 168 x 114	51.5 x 182 x 118
Approximate weight (g)*8		800	610	430	300	335
Bundled tape cartridge		12mm x 1	12mm x 1	12mm x 1	9mm x 1	9mm x 1

*1. English / Spanish / French / Portuguese / Czech / Polish / Hungarian / German / Italian / Dutch / Finnish / Swedish / Danish / Norwegian *2. English / Chinese
*3. English / Spanish / French / German / Italian / Swedish *4. English / Spanish / French / German / Italian *5. KL-7400:AD-A12150L / KL-820:AD-A95100 *6. Continuous printing
*7. The height dimension includes the feet. *8. Not including batteries

Label Printer Options

Colour Tape (8m)

Width	24mm	18mm	12mm	9mm	6mm
BLACK on WHITE	XR-24WE1	XR-18WE1	XR-12WE1	XR-9WE1	XR-6WE1
BLACK on CLEAR	XR-24X1	XR-18X1	XR-12X1	XR-9X1	XR-6X1
BLACK on RED	XR-24RD1	XR-18RD1	XR-12RD1	XR-9RD1	XR-6RD1
BLACK on YELLOW	XR-24YW1	XR-18YW1	XR-12YW1	XR-9YW1	XR-6YW1
BLACK on BLUE	XR-24BU1	XR-18BU1	XR-12BU1	XR-9BU1	—
BLACK on GREEN	XR-24GN1	XR-18GN1	XR-12GN1	XR-9GN1	XR-6GN1
BLACK on GOLD	—	XR-18GD1	XR-12GD1	XR-9GD1	—
BLACK on SILVER	—	XR-18SR1	XR-12SR1	XR-9SR1	—

Colour Tape (Colour Letters · 8m)

Width	18mm	12mm	9mm
RED on WHITE	XR-18WER1	XR-12WER1	XR-9WER1
BLUE on WHITE	XR-18WEB1	XR-12WEB1	XR-9WEB1

Iron-on Transfer Tape (5m)

Width	18mm
BLACK INK	XR-118BK1



SALES PROMOTION MATERIALS, NEWSPAPER/ MAGAZINE ADVERTISEMENT, ROADSHOW KIT, ACTIVITIES

SALES PROMOTION MATERIALS

Calculators and label printers normally are not included with promotion materials.

Display Stand for Practical Calculators

- Size: L420 × W650 × H1,870mm
- Weight: approx. 30.0 kg



Display Stand for Colourful Calculators

- Size: L400 × W400 × H1,800mm
- Weight: approx. 7.0 kg

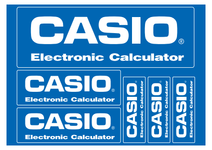


Display Stand for Label Printers

- Size: L400 × W500 × H1,800mm
- Weight: approx. 28.0 kg



CASIO Logo Sticker



- Size: 210 × 297mm

Attention Pop for Check Calculators



NEW

- Size: 128 × 182mm

Display Stand for Heavy Duty Calculators



*Provision of data only.

NEW

Attention Pop Kit for Label Printers

- Corner Sheet × 3
- Sticker Sheet × 1
- Attention POP × 1
- Sticker Clip × 3



Unit Stand (PPSD7)



- Size: D95 × W66 × H76mm
- Weight: 25g

DVD for Heavy Duty Calculators



- Size: 124 × 142 mm
- Weight: 50g

NEW

Attention Pop Board for Colourful Calculators



- Size: L500 × W600 × H50mm

Display Tool Kit for Practical Calculators



- Display stand
  Size: (L250 × W450 × H320mm) × 1
- Attention POP × 6
- Poster × 3
- Banner × 1

Display Tool Kit for Scientific Calculators ES Series



- Poster × 2
- Panel × 1
- Stuffer (with box) × 100 pcs/box
- Banner × 1
- POP product advertisement × 5
- Card for sales staff explanations × 1

NEWSPAPER/MAGAZINE ADVERTISEMENT

Scientific Calculator Artwork



Brand Artwork

MS Series

ES Series

Check Calculator Artwork



NEW

Financial Consultant Artwork



FC-200V / 100V

Printing Calculator Artwork



Cost, selling Price and Margin models



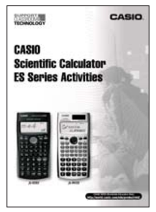
Thermal Printer models

ROADSHOW KIT FOR SCIENTIFIC CALCULATORS



- Poster × 5
- Sheet × 3
- Display Stand × 5
- Banner Stand × 1
- Carry bag

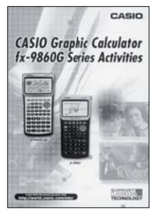
ACTIVITIES



Scientific Calculator

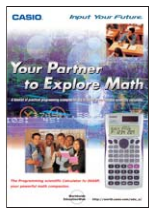
Activities for ES Series

(Activities for MS Series are also available.)



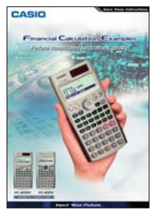
Graphic Calculator

Activities for fx-9860G Series



"Your Partner to Explore Math"

Activities for fx-3650P



Financial Consultant

Calculation Examples for FC-200V/100V

MODEL INDEX

Red numbers indicate new models.

Ⓑ Blister pack only
Ⓒ Clamshell packaging only
Ⓑ Blister pack available in addition to standard packaging.
* Items without letter code are available with standard packaging only.

FUNCTION SYMBOLS

Scientific Calculator/Financial Consultant

Number of functions

Natural V.P.A.M. display
Natural textbook display
Display expression same as textbook.

S-V.P.A.M.
(Super Visually Perfect Algebraic Method)
All the features of the existing V.P.A.M. series plus a new 2-line display and a useful Replay function. All this helps to make mathematics easier to use and easier to understand than ever before.

V.P.A.M.
(Visually Perfect Algebraic Method)
Calculations exactly as they are written. Calculation status symbols and intermediate display capabilities help make calculations easier.

STAT-data editor
Back-step viewing and editing of input data.

List based STAT-data editor
Viewing and editing of input data in list format, showing data groups (x-data, y-data, frequency) and surrounding data.

Multi-replay
Quick and easy recall of previously executed formulas for editing and re-execution.

10 + 2 digits
10-digit mantissa + 2-digit exponential display.

Colour display
Data is shown in three colours for quick and easy comprehension.

Icon menu
Specify the operation you want to perform by selecting an icon or inputting a number.

Dot matrix display
High-resolution screen provides beautiful looking graphs every time.

Two-way power (Solar + Battery)
Solar powered in sunlight, battery powered when lighting is low.

Data communication with a personal computer
Allows data communication with a personal computer.

Super solar
Solar cell powers calculations even when lighting is relatively dim.

Plastic keys
Designed and engineered for easy operation.

Profit margin percent
[%] key gives quick access to prices and profits, and also delivers add-ons, discounts, ratios, increase/decrease values and regular percentages.

Function command signs
A symbol (+, −, ×, ÷) on the display indicates the type of operation you are currently performing.

Practical Calculator/Printing Calculator

Extra Large display
Larger display makes more data easier to read.

Large display
Large, easy-to-read display.

Two-way power (Solar + Battery)
Solar powered when light is sufficient, battery powered when light is insufficient.

Super solar
Solar cell powers calculations even when lighting is relatively dim.

Key rollover
Key operations are stored in a buffer, so nothing is lost even during high-speed input.

Plastic keys
Designed and engineered for easy operation.

Durable metal Faceplate
Tough cover stands up to rough treatment.

Cost/Sell/Margin
Calculate the cost, selling price, or margin of profit on an item, given the other two values.

Tax & exchange function
Tax calculation and currency conversion functions.

Tax calculation
Automatic calculation of price plus tax, price less tax, discount, selling price, tax amount, discount amount, and margin amount.

Tilt Display
The degree of display can be adjusted freely.

Day/Date calculation
Day/Date calculations allow easy input and calculation of duration or date.

Time calculation
Time calculation allows easy input and calculation of hour, minute, and second values.

Metric conversion function
Conversion between metric units and another measurement unit.

Profit margin percent
[%] key gives quick access to prices and profits, and also delivers add-ons, discounts, ratios and increase/decrease values.

Regular percent
Regular percentage calculations.

Mark-up/Mark-down
All the mark-up/mark-down capabilities of an adding machine for simplified cost and profit calculations.

Super command signs
Big, easy-to-read command signs show your current operation at a glance.

Function command signs
A symbol (+, −, ×, ÷) on the display indicates the status of operation you are currently performing.

Clock & Calendar
Printing the current time and date.

150 steps check
Displays up to 150 previous calculation steps.

Localized number display
Displays numbers in three digit separator formats (Standard, European, and Indian). Choice of a comma or period as the decimal point.

Line printing
Line printing for higher speed, superior print quality, and quieter operation.

2-colour printing
Positive values are shown in black, and negative values are shown in red for easy checking.

3.5 line-per-second printing
The value indicates the number of lines printed per second.

Heavy-duty durable keys
Keys are produced by injecting plastic of two different colours. Key markings are plastic, which means they do not wear or fade with use.

For information about Accessories and Options of Calculators models, visit http://www.casio-intl.com/calc/

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